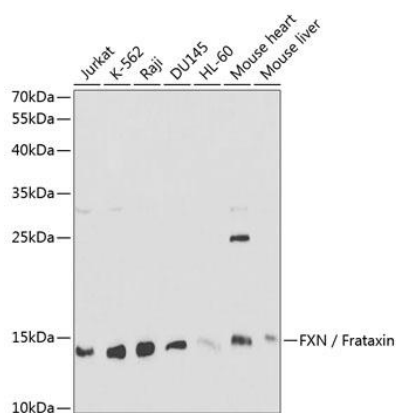
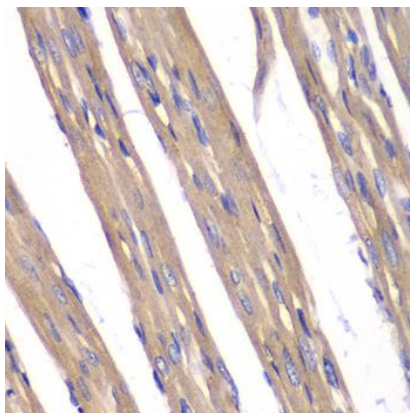


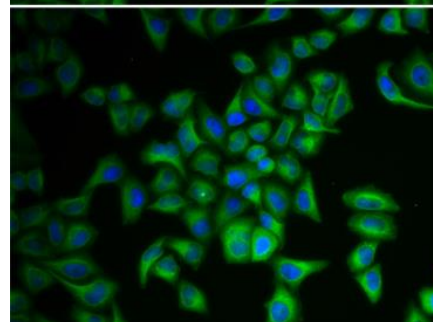
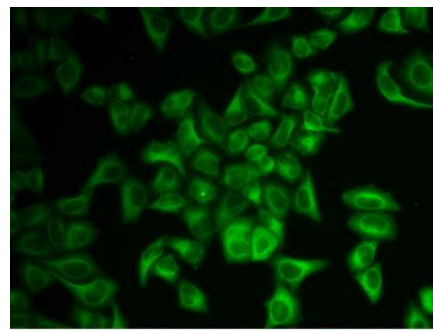
|                          |                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product name:</b>     | Frataxin                                                                                                                                                                                                                                                                                                                                                  |
| <b>Cat number:</b>       | AB-83941                                                                                                                                                                                                                                                                                                                                                  |
| <b>Conjugate:</b>        | Unconjugated                                                                                                                                                                                                                                                                                                                                              |
| <b>Size:</b>             | 100 ug                                                                                                                                                                                                                                                                                                                                                    |
| <b>Clone:</b>            | POLY                                                                                                                                                                                                                                                                                                                                                      |
| <b>Concentration:</b>    | 1mg/ml                                                                                                                                                                                                                                                                                                                                                    |
| <b>Host:</b>             | Rb                                                                                                                                                                                                                                                                                                                                                        |
| <b>Isotype:</b>          | IgG                                                                                                                                                                                                                                                                                                                                                       |
| <b>Immunogen:</b>        | Recombinant fusion protein containing a sequence corresponding to amino acids 42-210 of human FXN / Frataxin                                                                                                                                                                                                                                              |
| <b>Reactivity:</b>       | Hu, Ms, Rt                                                                                                                                                                                                                                                                                                                                                |
| <b>Applications:</b>     | Western Blot: 1:500 -1:1000 Immunohistochemistry: 1:50 - 1:100<br>Immunofluorescence: 1:50 -1:100                                                                                                                                                                                                                                                         |
| <b>Molecular Weight:</b> | 14kDa                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purification:</b>     | Aff. Pur.                                                                                                                                                                                                                                                                                                                                                 |
| <b>Form:</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                    |
| <b>Buffer:</b>           | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                                                                                                                                                                                                                                                                         |
| <b>Storage:</b>          | Store at -20°C, and avoid repeat freeze-thaw cycles.                                                                                                                                                                                                                                                                                                      |
| <b>Background:</b>       | This nuclear gene encodes a mitochondrial protein which belongs to the FRATAXIN family. The protein functions in regulating mitochondrial iron transport and respiration. The expansion of intronic trinucleotide repeat GAA from 8-33 repeats to >90 repeats results in Friedreich ataxia. Alternative splicing results in multiple transcript variants. |



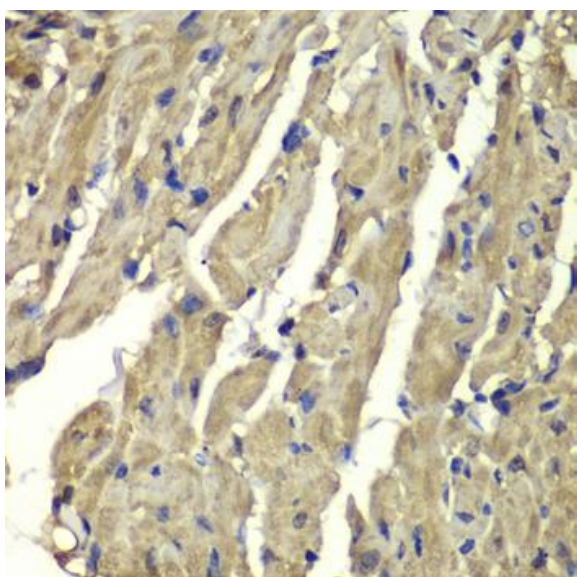
Western blot analysis of extracts of various cell lines, using FXN / Frataxin antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.



Immunohistochemistry of paraffin-embedded rat heart using FXN / Frataxin antibody at dilution of 1:100 (40x lens).



Immunofluorescence analysis of A549 cells using FXN / Frataxin antibody . Blue: DAPI for nuclear staining



Immunohistochemistry of paraffin-embedded mouse heart using FXN / Frataxin antibody at dilution of 1:100 (40x lens).