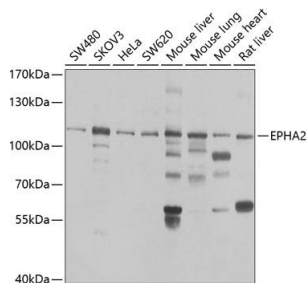


|                       |   |
|-----------------------|---|
| <b>Cat. No:</b>       | MAB-94587   |
| <b>Size:</b>          | 200 ug  |
| <b>Clone:</b>         | A2/EPHA2  |
| <b>Concentration:</b> | 1mg/ml  |
| <b>Host:</b>          | Rb  |
| <b>Isotype:</b>       | IgG   |
| <b>Immunogen:</b>     | Recombinant fusion protein containing a sequence corresponding to amino acids 847-976 of human EPHA2  |
| <b>Reactivity:</b>    | Hu, Ms, Rt  |
| <b>Applications:</b>  | Western Blot: 1:500-1:2000<br>Immunohistochemistry (paraffin-embedded tissues): 1:50-1:200  |
| <b>Purification:</b>  | Aff. Pur.   |
| <b>Background:</b>    | EPHA2(ephrin type-A receptor 2) also known as ECK, is a protein that in humans is encoded by the EPHA2 gene. This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. By somatic cell hybrid analysis and fluorescence in situ hybridization, the EPHA2 gene is mapped to chromosome 1p36.1. By screening a HeLa cell cDNA library with degenerate oligonucleotides based on highly conserved regions of receptor protein-tyrosine kinases, Lindberg and Hunter isolated cDNAs encoding EPHA2, which they called ECK. EPHA2 was readily detectable in human lens fiber cells using immunoblot and immunohistochemistry. EGFR and EPHA2 mediated HCV entry by regulating CD81 -claudin-1(CLDN1) coreceptor associations and viral glycoprotein-dependent membrane fusion. |
| <b>Form:</b>          | Liquid  |
| <b>Buffer:</b>        | PBS with 0.02% sodium azide,50% glycerol,pH7.3.   |
| <b>Storage:</b>       | At -20°C for one year. Avoid repeated freezing and thawing.   |



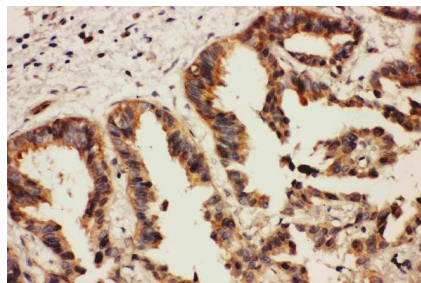
Western blot analysis of extracts of various cell lines, using EPHA2 antibody 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.

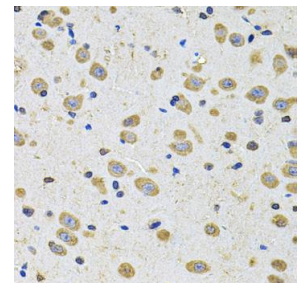
Lysates/proteins: 25ug per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL West Pico Plus

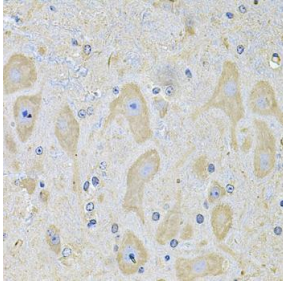


Anti- EPHA2 Antibody IHC(P)  
IHC(P): Human Lung Cancer Tissue



Immunohistochemistry of paraffin embedded rat brain using EPHA2 Antibody at dilution of 1:100 (40x lens).

Exposure time: 10s.



Immunohistochemistry of paraffin  
embedded  
mouse brain using EPHA2  
Antibody at dilution of 1:100  
(40x lens).

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