

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product name:</b>     | Collagen VIII alpha 2 Rabbit Polyclonal Antibody                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Cat number:</b>       | ABN00804                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Conjugate:</b>        | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Size:</b>             | 100µL                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Clone:</b>            | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Concentration:</b>    | 1mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Host:</b>             | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Isotype:</b>          | IgG                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Immunogen:</b>        | Synthesized peptide derived from human COL8A2. at AA range: 611-660                                                                                                                                                                                                                                                                                                                                                   |
| <b>Reactivity:</b>       | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Applications:</b>     | WB 1:500-1:1000, ELISA 1:5000-1:20000                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Weight:</b> | Calculated MW: 67 kDa; Observed MW: 80 kDa                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Purification:</b>     | Affinity Purification                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Form:</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Buffer:</b>           | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage:</b>          | Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                          |
| <b>Background:</b>       | This gene encodes the alpha 2 chain of type VIII collagen. This protein is a major component of the basement membrane of the corneal endothelium and forms homo- or heterotrimers with alpha 1 (VIII) type collagens. Defects in this gene are associated with Fuchs endothelial corneal dystrophy and posterior polymorphous corneal dystrophy type 2. Alternative splicing results in multiple transcript variants. |