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**Research Use Only. Not  
for diagnostic or  
therapeutic use.**

Storage: Aliquot and store at  
-20°C. Minimize freezing and  
thawing.

## Product: EB08238 – Goat anti-NBL4 antibody

*This product is one of a range of **Investigative Grade** antibodies, made against targets that have limited or no commercial antibodies available to them and for which there are no data on the expression of the protein in the range of common cell lines and tissues available to us. These antibodies are affinity purified using their peptide immunogen and are known to give low background staining in a western blot (see Application Notes below). However no additional claims are made for their ability to recognise native protein in any application.*

### **Target Protein**

Principal Names: EPB41L4A; erythrocyte membrane protein band 4.1 like 4A ; EPB41L4; FLJ38738; NBL4; erythrocyte protein band 4.1-like 4

Official Gene Symbol: EPB41L4A

Accession Number(s): NP\_071423.3

Human Gene ID(s): 64097

### **Immunogen**

Peptide with sequence C-KNENSPDTQRSKSH, from the internal region of the protein sequence according to NP\_071423.3

### **Purification**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied as 100 µg of purified antibody. 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

### **Applications Tested**

Peptide ELISA: antibody detection limit dilution 1:8,000. Western Blot: Preliminary experiments gave an approx 100kDa band in Human Brain (Cerebellum) lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 79.0kDa according to NP\_071423.3. The 100kDa band was successfully blocked by incubation with the immunizing peptide. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

### **Species Reactivity**

Tested:

Expected from sequence similarity: Human, Mouse

### **Background Reference**

Diakowski W, Grzybek M, Sikorski AF.

Protein 4.1, a component of the erythrocyte membrane skeleton and its related homologue proteins forming the protein 4.1/FERM superfamily.

Folia Histochem Cytobiol. 2006;44(4):231-48. Review.

PMID: 17219717

