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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: EB06163 – Goat anti-P114-RHO-GEF / ARHGEF18**

*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: ARHGEF18; rho/rac guanine nucleotide exchange factor (GEF) 18; P114-RHO-GEF; KIAA0521; MGC15913; Rho-specific guanine nucleotide exchange factor p114

Official Gene Symbol: ARHGEF18

Accession Number(s): NP\_056133

Human Gene ID(s): 23370

### **Immunogen**

Peptide with sequence C-SAKEDASKEDVIF, from the C Terminus of the protein sequence according to NP\_056133

### **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 1:4,000. Western Blot: Preliminary experiments gave no signal but low background in Human Muscle and HepG2 extracts at up to 1.5µg/ml. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates?

### **Species Reactivity**

Tested:

Expected from sequence similarity: Human

### **Background Reference**

Blomquist A, Schworer G, Schablowski H, Psoma A, Lehnen M, Jakobs KH, Rumenapp U.

Identification and characterization of a novel Rho-specific guanine nucleotide exchange factor.

Biochem J. 2000 Dec 1;352 Pt 2:319-25.

PMID: 11085924

