

# Product datasheet for AP05060PU-N

## Eph receptor B1 (EPHB1) (EXT Region) Sheep Polyclonal Antibody

### **Product data:**

### **Product Type: Primary Antibodies Applications:** IP, WB Recommended Dilution: Western Blot: 1 - 10 µg/ml. Immunoprecipitation: 10 - 20 µg/ml. **Reactivity:** Human Host: Sheep lgG Isotype: **Clonality:** Polyclonal A GST fusion protein ephB1 (Elk receptor) corresponding to amino acid Immunogen: Specificity: This antibody reacts to ephB1 (Elk receptor) - EXT. Formulation: Phosphate buffered saline with 0.08% sodium azide State: Purified State: Liquid purified Ig (0.2µm sterile filtered) **Concentration:** lot specific **Conjugation:** Unconjugated Store the antibody at -20°C. Storage: Avoid repeated freezing and thawing. Stability: Shelf life: one year from despatch Gene Name: EPH receptor B1 Database Link: Entrez Gene 2047 Human P54762

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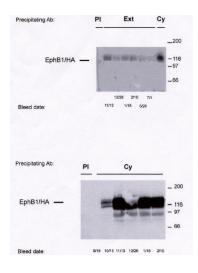
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### Scherker Scherker Scherker (EPHB1) (EXT Region) Sheep Polyclonal Antibody – AP05060PU-N

Background:The immunogen used for the anti-human ephB1 (Elk receptor) -EXT region was a GST fusion<br/>protein ephB1 (Elk receptor) -EXT corresponding to amino acid sequence 16-351 of the N<br/>terminus region and having a molecular weight of 116 kD. ephB1, previously known as<br/>Elk(eph-like kinase), is a receptor tyrosine kinase of the highly tissue restricted family of eph<br/>proteins. EphB1 and other ephB family members are type 1 membrane spanning proteins,<br/>comprised of immunoglobulin, fibronectin type III, and cysteine rich subdomains in the ecto<br/>domain, and the single uninterrupted cytoplasmic tyrosine kinase domain upstream of a<br/>carboxyterminal sterile alpha motif (SAM) domain. ephB family proteins bind ephrins of the B<br/>class, ligands that are also transmembrane spanning proteins capable of transmitting signals.<br/>ephB1 is expressed predominantly in developing neural structures in embryos, and in<br/>vascular epithelium of kidney, and other tissues. Upon binding to alternatively oligomerized<br/>ephrin B1, ephB1 signals regulation of cell attachment and cellcell assembly. Members of this<br/>protein family are implicated in neuronal and vascular cell targeting.

Synonyms:	EPHT2, NET, HEK6, ELK, EPH2, Ephrin type-B receptor 1
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
Protein Pathways:	Axon guidance

### **Product images:**



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Precipitating Ab:			
Precipitating Ab.		AM	
	PI 5	AM	
		1	_ 200
EphB1/HA -	And in case	10 Aug 200 20	- 116
	Contra and	-	- 97
	10.000		
			- 66
Bleed date:	11/13 1	/16 5/21	
Bleed date:	12/28	2/10 7/21	
Figure Legend: CHO cells huEphB1/HA, driving expres			
Cell lysates (200-300 ug pro			
using 5ul of anti-sera from th			
by 5 ul rabbit-anti-sheep ant			
ecovered on Protein A/G-S			
PAGE and EphB1/HA protei			
using an anti-HA epitope an			
anti-mouse IgG/peroxidase	conjugate.		
Sheep were immunized with	following	GST fusior	proteins
from EphB1 (huELK) sequer			

Cy: aa 566-984 SAM: aa 883-984 EXT: aa 16-351

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