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EPH Receptor A6 Protein (Epha6)



Overview	
Quantity:	5 applications
Target:	EPH Receptor A6 (Epha6)
Origin:	Human, Mouse, Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	Western Blotting (WB), Positive Control (PC)
Product Details	
Purpose:	Purified Protein in ready-to-use SDS sample buffer.
Purification:	Purified Protein
Target Details	
Target:	EPH Receptor A6 (Epha6)
Alternative Name:	Eprhin Receptor A6 (Epha6 Products)
Background:	Ephrin A6, a member of the ephrin family, elicits biological responses in retinal neurons. It binds with high affinity to several other EphA receptors and causes growth cone collapse in retinal explants. Ephrin-A6 expression is high at embryonic day 6 (E6) and at embryonic day 8 (E8), when retinal axons grow to their tectal targets, and then this Ephrin-A6 expression gradually declines at later developmental stages. This new ephrin plays a role in the establishment of visual system topography as observed by the asymmetric distribution of ephrin-A6 in retinal cells. High levels of expression of Eph-A6 in the macula of developing human retina showed

localization of Eph-A6 to (GC) ganglion cells. Eph receptors and Ephrins have indeed been

Target Details

implicated in multiple aspects of synaptic function, including clustering and modulating N-methyl-D-aspartate receptors, modifying the geometry of postsynaptic terminals, and influencing long-term synaptic plasticity and memory. Eph A6, in line with a number of other Eph receptors and their ephrin ligands, is involved in neural circuits of learning and memory. Genetic inhibition of the ephrin receptor (Eph A6) in knockout mice produced behavioral deficits in tests of learning and memory. The gene for EphAR6 is present on chromosome 3q11.2

Molecular Weight:	136 kDa
NCBI Accession:	NP_001073917
UniProt:	B3KS12
Pathways:	RTK Signaling

Application Details

Application Notes:	The sample is in ready-to-use buffer for application in SDS-PAGE and Western blotting.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	For 5 applications, volume varies from 100-200 µL in reduced SDS-PAGE sample buffer.
Storage:	-20 °C
Storage Comment:	-20 °C for long term storage