

## Product datasheet for **AP31011PU-N**

### Ephrin A5 (EFNA5) (189-200) Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	<b>Immunohistochemistry on Paraffin Sections:</b> 3.75 - 7.5 µg/ml.
Reactivity:	Human, Bovine, Bat, Canine, Chicken, Equine, Monkey, Mouse, Rabbit, Rat, Xenopus
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide from positions 189-200 of human EFNA5 (NP_001953.1)
Specificity:	This antibody reacts to Ephrin-a5 (EFNA5) at aa 189-200.
Formulation:	Tris saline buffer, pH 7.3 containing 0.5% BSA as stabilizer and 0.02% sodium azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	ephrin A5
Database Link:	<u><a href="#">Entrez Gene 13640 Mouse</a></u> <u><a href="#">Entrez Gene 116683 Rat</a></u> <u><a href="#">Entrez Gene 1946 Human P52803</a></u>



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**Background:**

Ephrin-A5, a member of the ephrin gene family, prevents axon bundling in cocultures of cortical neurons with astrocytes, a model of late stage nervous system development and differentiation. The EPH and EPH-related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, particularly in the nervous system. EPH receptors typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin ligands and receptors have been named by the Eph Nomenclature Committee (1997). Based on their structures and sequence relationships, ephrins are divided into the ephrin-A (EFNA) class, which are anchored to the membrane by a glycosylphosphatidylinositol linkage, and the ephrin-B (EFNB) class, which are transmembrane proteins. The Eph family of receptors are similarly divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands.

**Synonyms:**

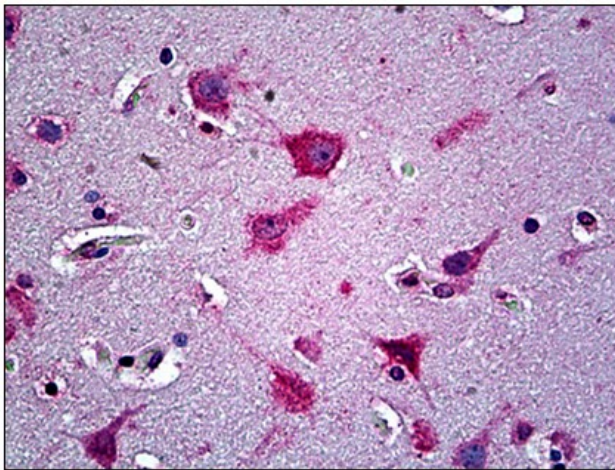
EFNA5, LERK-7, EPLG7, LERK7, AL-1, EPL7

**Protein Families:**

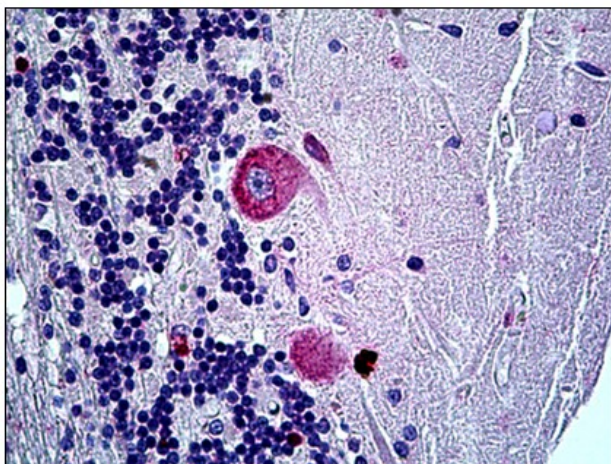
Druggable Genome

**Protein Pathways:**

Axon guidance

**Product images:**

Human Brain, Cortex: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Cerebellum: Formalin-Fixed, Paraffin-Embedded (FFPE)