

## Product datasheet for **AM06281SU-N**

### Eph receptor A7 (EPHA7) Mouse Monoclonal Antibody [Clone ID: 6C8G7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	6C8G7
Applications:	IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Western Blotting:</b> 1/500 - 1/2000. <b>Immunohistochemistry on Paraffin Sections:</b> 1/200 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of EphA7 (aa27-210) expressed in E. Coli.
Specificity:	Recognizes Ephrin Type A Receptor 7 (EPHA7).
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	EPH receptor A7
Database Link:	<a href="#">Entrez Gene 2045 Human Q15375</a>



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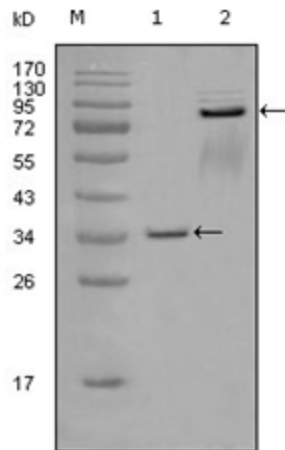
**Background:**

The Eph subfamily represents the largest group of receptor protein tyrosine kinases identified to date. The Eph subfamily receptors of human origin (and their murine/avian homologs) include EphA1 (Eph), EphA2 (Eck), EphA3 (Hek4), EphA4 (Hek8), EphA5 (Hek7), EphA6 (Hek12), EphA7 (Hek11/MDK1), EphA8(Hek3), EphB1 (Hek6), EphB2 (Hek5), EphB3 (Cek10, Hek2), EphB4 (Htk), EphB5(Hek9) and EphB6 (Mep). EphAs are a family of receptor tyrosine kinases that are involved in axonal guidance during development. These receptors and their ligands, the ephrins, act via repulsive mechanisms to guide growing axons towards their appropriate targets and allow for the correct developmental connections to be made. Ligand binding to an Eph receptor results in tyrosine phosphorylation of the kinase domain, and repulsion of axonal growth cones and migrating cells. During neurulation, ephrin-A5 is coexpressed with its cognate receptor EphA7 in cells at the edges of the dorsal neural folds. Three different EphA7 splice variants, a full-length form and two truncated versions lacking kinase domains, are expressed in the neural folds.

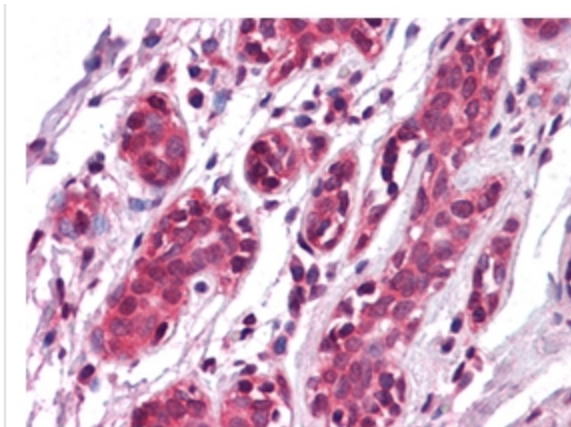
**Synonyms:**

EHK3, HEK11, Ephrin type-A receptor 7

**Product images:**



Western blot analysis using EphA7 antibody Cat.-No AM06281SU-N against truncated GST-EphA7 recombinant protein (lane 1) and truncated EphA7 (aa25-556)-hlgGfc transfected CHOK1 cell lysate (Lane 2).



Immunohistochemical analysis of paraffin-embedded Human Breast tissues using EPHA7 antibody Cat.-No AM06281SU-N