BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
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Anti-EPHA5 Antibody

Catalog Number: M01494-1

About EPHA5

This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Two transcript variants encoding different isoforms have been found for this gene.

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Overview

Product Name	Anti-EPHA5 Antibody
Reactive Species	Human
Description	Boster Bio Anti-EPHA5 Antibody (Catalog # M01494-1). Tested in WB, IHC-P application(s). This antibody reacts with Human.
Application	IHC-P, WB
Clonality	Monoclonal 46CT61.6.4
Formulation	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Mouse
Uniprot ID	P54756

Technical Details

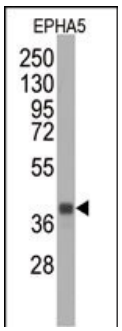
Immunogen	Purified His-tagged EPHA5 protein (Fragment) was used to produced this monoclonal antibody.
Predicted Reactive Species	Bovine, Chicken, Horse, Monkey, Pig, Sheep, Xenopus
Isotype	IgG1kappa

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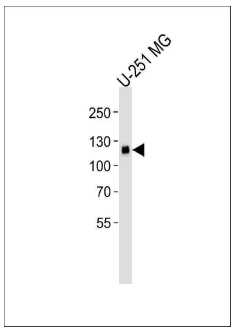
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	WB: 1:1000 IHC-P: 1:10-1:50 Tested Species: In-house tested species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

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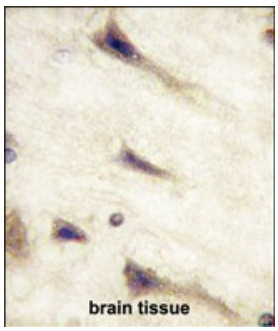
Anti-EPHA5 Antibody (M01494-1) Images



Western blot analysis of anti-EPHA5 Monoclonal Antibody by EPHA5 recombinant protein (Fragment). EPHA5 (Fragment) protein (arrow) was detected using the purified Mab. (1:2000)



Western blot analysis of lysate from U-251 MG cell line, using EphA5 Antibody. M01494-1 was diluted at 1:1000. A goat anti-mouse IgG H&L(HRP) at 1:3000 dilution was used as the secondary antibody. Lysate at 35ug.



Formalin-fixed and paraffin-embedded human brain tissue reacted with EPHA5 Monoclonal Antibody , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

For Research Use Only. Not for use in diagnostic procedures.