

# EphB2 Antibody

Purified Mouse Monoclonal Antibody  
Catalog # AO1166a

## Product Information

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<b>Application</b>	WB, ICC, E
<b>Primary Accession</b>	<a href="#">P29323</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clone Names</b>	2D12C6
<b>Isotype</b>	IgG2b
<b>Calculated MW</b>	117493 Da
<b>Description</b>	EphB2: EPH receptor B2. Ephrin receptors and their ligands, the ephrins, mediate numerous developmental processes, particularly in the nervous system. 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 divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. Ephrin receptors make up the largest subgroup of the receptor tyrosine kinase (RTK) family. The protein encoded by this gene is a receptor for ephrin-B family members.
<b>Immunogen</b>	Purified recombinant fragment of EphB2 (aa17-200) expressed in E. Coli.
<b>Formulation</b>	Ascitic fluid containing 0.03% sodium azide.

## Additional Information

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<b>Other Names</b>	Ephrin type-B receptor 2, 2.7.10.1, Developmentally-regulated Eph-related tyrosine kinase, ELK-related tyrosine kinase, EPH tyrosine kinase 3, EPH-like kinase 5, EK5, hEK5, Renal carcinoma antigen NY-REN-47, Tyrosine-protein kinase TYRO5, Tyrosine-protein kinase receptor EPH-3, EPHB2, DRT, EPHT3, EPTH3, ERK, HEK5, TYRO5
<b>Dilution</b>	WB~~1/500 - 1/2000 ICC~~N/A E~~N/A
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	EphB2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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## References

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1. Nat Genet. 2004 Sep;36(9):979-83. 2. Pediatr Res. 2005 Apr;57(4):537-44.

## Images

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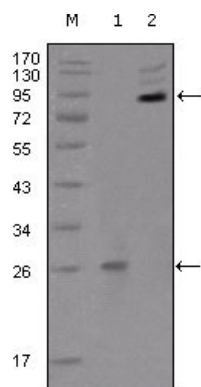


Figure 1: Western blot analysis using EphB2 mouse mAb against truncated EphB2 recombinant protein (1) and extracellular EphB2(aa19-476)-hIgGFc transfected CHO-K1 cell lysate(2).

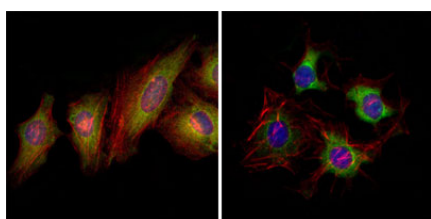


Figure 2: Immunofluorescence analysis of HeLa (left) and HepG2 (right) cells using EphB2 mouse mAb (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.

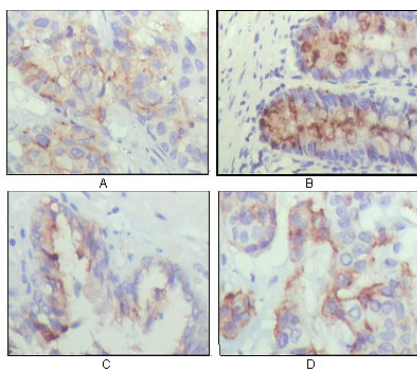


Figure 2: Immunohistochemical analysis of paraffin-embedded human lung cancer (A), rectum(B), prostate (C), colon cancer (D) showing cytoplasmic localization using IGFBP2 mouse mAb with DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.