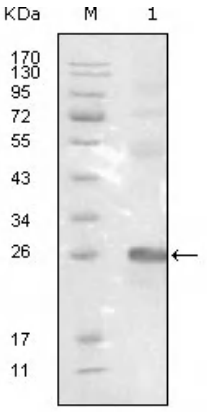
EphB3 Monoclonal Antibody

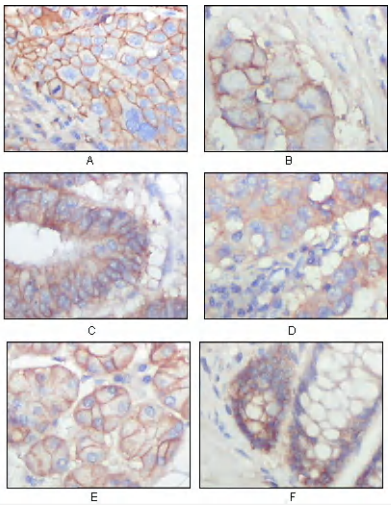
Catalog No	YP-Ab-12915
Isotype	IgG
Reactivity	Human
Applications	WB;IHC;IF;ELISA
Gene Name	EPHB3
Protein Name	Ephrin type-B receptor 3
Immunogen	Purified recombinant fragment of EphB3 (aa39-212) expressed in E. Coli.
Specificity	EphB3 Monoclonal Antibody detects endogenous levels of EphB3 protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	WB: 1/500 - 1/2000. IHC: 1/200 - 1/1000. ELISA: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EPHB3; ETK2; HEK2; TYRO6; Ephrin type-B receptor 3; EPH-like tyrosine kinase 2; EPH-like kinase 2; Embryonic kinase 2; EK2; hEK2; Tyrosine-protein kinase TYRO6
Observed Band	
Cell Pathway	Cell membrane ; Single-pass type I membrane protein . Cell projection, dendrite .
Tissue Specificity	Ubiquitous.
Function	catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,function:Receptor for members of the ephrin-B family. Binds to ephrin-B1 and -B2.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. Ephrin receptor subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 SAM (sterile alpha motif) domain.,similarity:Contains 2 fibronectin type-III domains.,tissue specificity:Ubiquitous.,
Background	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 two 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. This gene encodes a receptor for ephrin-B family members. [provided by RefSeq, Mar 2010],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis using EphB3 Monoclonal Antibody against truncated EphB3-His recombinant protein.



Immunohistochemistry analysis of paraffin-embedded human lung squamous cell carcinoma (A), lung adenocarcinoma (B), colon carcinoma (C), breast carcinoma (D), normal sublingual gland (E), normal rectal (F), showing membrane localization with DAB staining