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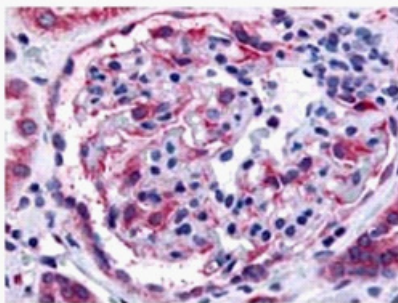
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Box 1 | Basic Info

Cat. No.	ABP-PAB-31015
Animal ID	N/A
Host	Rabbit
Reactivity	Human
Format	Purified
Accession number	NM_004438
Amount	50µg

Alternative Name(s):

erbb4; her4; p180 erb4; VERBB2; Receptor tyrosine protein kinase erbB4



Glomerulus

EPHA4, Ephrin Type A Receptor 4 polyclonal antibody

The tyrosine kinase (TK) group is mainly involved in the regulation of cell-cell interactions such as differentiation, adhesion, motility and death. There are currently about 90 TK genes sequenced, 58 are of receptor protein TK (e.g. EGFR, EPH, FGFR, PDGFR, TRK, and VEGFR families), and 32 of cytosolic TK (e.g. ABL, FAK, JAK, and SRC families).

Buffers

N/A

Immunogen

KLH conjugated synthetic peptide of internal domain of human Ephrin type A receptor 4.

Application

N/A

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C. Avoid repeated freeze-thaw cycles.

References:

1. Dufour A, Egea J, Kullander K, Klein R, and Vanderhaeghen P: Genetic analysis of EphA-dependent signaling mechanisms controlling topographic mapping in vivo. *Development*. Nov;133(22): 4415-20 (2006).
2. Canty AJ, Greferath U, Turnley AM, and Murphy M: Eph tyrosine kinase receptor EphA4 is required for the topographic mapping of the corticospinal tract. *Proc Natl Acad Sci U S A* Oct. 103: 15629-34 (2006).
3. Wiesner S, Wybenga-Groot LE, Warner N, Lin H, Pawson T, Forman-Kay JD, and Sicheri F: A change in conformational dynamics underlies the activation of Eph receptor tyrosine kinases. *EMBO J* Oct. 25: 4686-96 (2006).
4. Iizumi M, Hosokawa M, Takehara A, Chung S, Nakamura T, Katagiri T, Eguchi H, Ohigashi H, Ishikawa O, Nakamura Y, and Nakagawa H: EphA4 receptor, overexpressed in pancreatic ductal adenocarcinoma, promotes cancer cell growth. *Cancer Sci* Nov. 97: 1211-16 (2006).
5. Oury F, Murakami Y, Renaud JS, Pasqualetti M, Charnay P, Ren SY, and Rijli FM: Hoxa2- and rhombomere-dependent development of the mouse facial somatosensory map. *Science* Sep. 313:1408-13. *Proc Natl Acad Sci U S A* Dec. 94: 1408-13 (2006).