

Polyclonal Antibody to PTPN1 - Aff - Purified

Catalog No.:	15-288-21488
Quantity:	0.1 mg
Concentration:	1.5 mg/ml
Background:	FGFR1 (fibroblast growth factor receptor 1) is a member of the fibroblast growth factor receptor family and contains an Ig-like domain and a tyrosine kinase domain. This receptor has multiple isoforms and is a Type I membrane protein. FGFR1 is widely expressed, with distinct isoforms expressed in specific tissues. FGFR1 binds fibroblast growth factor and induces mitogenesis and cellular differentiation. Defects in FGFR1 result in Pfeiffer syndrome associated with craniosynostosis. FGFR1 can be modified by phosphorylation and can bind basic/acidic fibroblast factor depending on the receptor isoform. FGFR1 has been shown to interact with N-cadherin and NCAM.
Host / Isotype:	Chicken
Immunogen:	Recombinant human ectodomain of FGFR1-beta expressed in E. coli beginning with proline 23; antigen contained NH2-terminal gly-ser-pro-gly-ile and COOH-terminal glu-phe sequences.
Format:	State: Liquid purified Ig fraction. Purification: Protein G affinity chromatography. Buffer System: in PBS buffer pH 7.4 without preservatives.
Applications:	Western blotting: 1 µg/ml recognizes 10 ng recombinant bacterial, baculoviral or native FGFR1. Immunoprecipitation: native, recombinant and ligand-labeled FGFR1. Immunohistochemistry: paraffin-embedded human salivary gland tumors. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Reacts with both alpha (denatured) and beta isoforms. Epitope is within the sequence his241 and val267 between Ig loops II and III. Epitope is masked in undenatured FGFR1-alpha.
Storage:	Store the antibody (in aliquots) at -20°C to -70°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General References:	1. Xu, et al., (1992) J. Biol. Chem., 267: 14492. 2. Wang, et al., (1995) J. Biol. Chem., 270: 10231.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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