SIP1 Antibody FITC Conjugated

Catalog No: #C07791F

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Description

Product Name	SIP1 Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human SIP1
Conjugates	FITC
Target Name	SIP1
Other Names	Smad Interacting Protein 1 SIP 1; SIP1 SIP-1; Smad-interacting protein 1; SMADIP 1; SMADIP1; ZEB 2; ZEB2; ZEB2_HUMAN; Zfhx1b; ZFHX1B protein; Zfx1b; Zinc finger E box binding protein 2; Zinc finger E-box-binding homeobox 2; Zinc finger homeobox 1b; zinc finger homeobox protein 1; Zinc finger homeobo
Accession No.	NCBI Gene ID9839
Uniprot	O60315
GeneID	9839;
Excitation Emission	494nm 518nm
Cell Localization	Nucleus
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

IF=1:50-200

Background

SMAD regulates gene expression by interacting with different classes of transcription factors including DNA-binding multi-zinc finger proteins. SIP1, for SMAD interacting protein 1, is a member of the delta-EF1 Zfh1 family of 2-handed zinc finger homeodomain proteins. SIP1 contains a SMAD-binding domain, a homeodomain and two clusters of zinc fingers on the N- and C-termini. SIP1, also known as SMADIP1, ZFHX1B and ZEB2 (zinc finger E-box-binding protein 2), can be induced by TGFa?? treatment. SIP1 plays a crucial role in normal embryonic development of neural structures and the neural crest. The human SIP1 gene maps to chromosome 2q22. Mutations in the SIP1 gene cause a form of Hirschsprung disease (HSCR). Patients with SIP1 mutations show mental retardation, delayed motor development, epilepsy, microcephaly, distinct facial features and or congenital heart diseaseaall symptoms of HSCR.

Note: This product is for in vitro research use only