

Datasheet for ABIN7455159

Recombinant anti-SMAD4 antibody (AA 1-50)



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Overview

Quantity:	100 µL
Target:	SMAD4
Binding Specificity:	AA 1-50
Reactivity:	Human, Mouse
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This SMAD4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunocytochemistry (ICC), Flow Cytometry (FACS), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	Rabbit anti-SMAD4 Recombinant Monoclonal Antibody [BLR133J]
Immunogen:	between AA 1 and 50
Clone:	BLR133J
Isotype:	IgG

Target Details

Target:	SMAD4
Alternative Name:	SMAD4 (SMAD4 Products)

Target Details

Background:	Background: The SMAD family of proteins are a group of intracellular signal transducer proteins similar to the gene products of the Drosophila gene 'mothers against decapentaplegic' (Mad) and the C. elegans gene Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. SMAD4 forms homomeric complexes and heteromeric complexes with other activated Smad proteins, which then accumulate in the nucleus and regulate the transcription of target genes. SMAD4 functions in the transforming growth factor-beta signaling pathway as well as the bone morphogenetic protein signaling pathway, regulating cell proliferation, angiogenesis, and increasing blood vessel hyperpermeability. [taken from NCBI Entrez Gene (Gene ID: 4089)].
Gene ID:	4089
NCBI Accession:	NP_005350
UniProt:	Q13485
Pathways:	Cell Division Cycle , Chromatin Binding , Autophagy

Application Details

Application Notes:	IHC: 1:100 to 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections. IP: 6 µL/1 mg lysate ICC: 1:100 to 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE cell sections. WB: 01:01,00
Restrictions:	For Research Use only

Handling

Concentration:	1000 µg/mL
Buffer:	Phosphate Buffered Saline (PBS) containing 0.09 % Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Expiry Date:	12 months