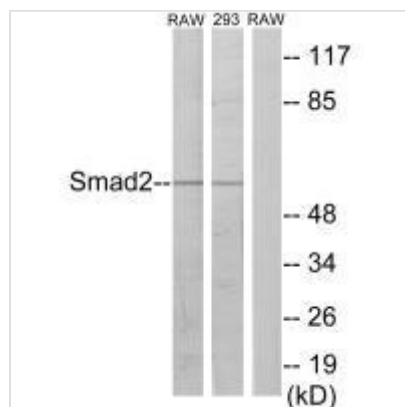


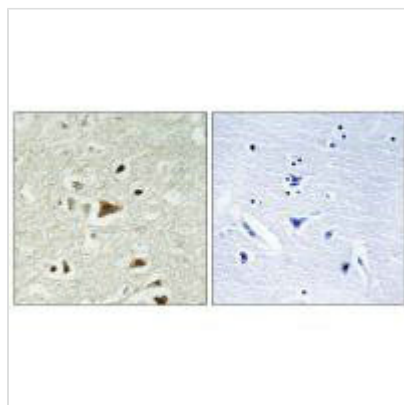


SMAD2 (Ab-220) Antibody

Product Code	CSB-PA594584
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q15796
Immunogen	Synthesized non-phosphopeptide derived from Human Smad2 around the phosphorylation site of threonine 220 (P-E-T(p)-P-P).
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous levels of total Smad2 protein
Tested Applications	ELISA,WB,IHC;WB:1:500-1:3000,IHC:1:50-1:100
Relevance	Receptor-regulated SMAD (R-SMAD) that is an intracellular signal transducer and transcriptional modulator activated by TGF-beta (transforming growth factor) and activin type 1 receptor kinases. Binds the TRE element in the promoter region of many genes that are regulated by TGF-beta and, on formation of the SMAD2/SMAD4 complex, activates transcription. May act as a tumor suppressor in colorectal carcinoma. Positively regulates PDPK1 kinase activity by stimulating its dissociation from the 14-3-3 protein YWHAQ which acts as a negative regulator. Riggins G.J., Nat. Genet. 13:347-349(1996). Zhang Y., Nature 383:168-172(1996). Eppert K., Cell 86:543-552(1996).
Form	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Alias	JV18-1; MADH2; MADR2; Mad-related protein 2; Mothers against DPP homolog 2
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	SMAD2
Image	



Western blot analysis of extracts from RAW264.7 cells and 293 cells, using Smad2 (Ab-220) antibody.



Immunohistochemistry analysis of paraffin-embedded human brain tissue using Smad2 (Ab-220) antibody.