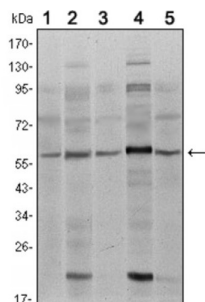
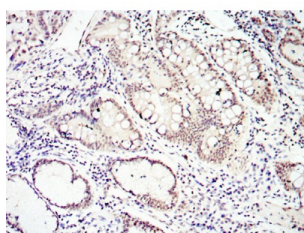


Mothers Against Decapentaplegic Homolog 4 (SMAD4) Antibody

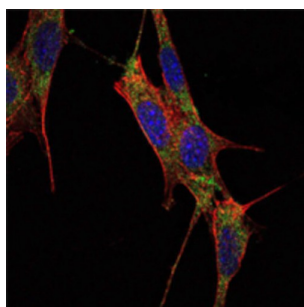
Catalogue No.: abx015994



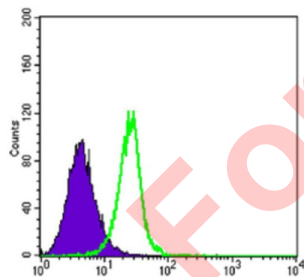
Western blot analysis using SMAD4 antibody against A431 (1), SK-N-SH (2), K562 (3), HepG2 (4) and HUVE12 (5) cell lysate.



Immunofluorescence analysis of NIH/3T3 cells using SMAD4 antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with AF555 phalloidin.



Immunohistochemical analysis of paraffin-embedded lung cancer tissues using SMAD4 antibody with DAB staining.



Flow cytometric analysis of K562 cells using SMAD4 antibody (green) and negative control (purple).

Common mediator of signal transduction by TGF-beta (transforming growth factor) superfamily; SMAD4 is the common SMAD (co-SMAD). Promotes binding of the SMAD2/SMAD4/FAST-1 complex to DNA and provides an activation function required for SMAD1 or SMAD2 to stimulate transcription. May act as a tumor suppressor. Mutations or deletions in this gene have been shown to result in pancreatic cancer, juvenile polyposis syndrome, and hereditary hemorrhagic telangiectasia syndrome.

Target: Mothers Against Decapentaplegic Homolog 4 (SMAD4)

Clonality: Monoclonal

Datasheet

Version: 3.0.0
Revision date: 20 Jun 2025



Reactivity:	Human, Mouse
Tested Applications:	ELISA, WB, IHC, IF/ICC, FCM
Host:	Mouse
Recommended dilutions:	ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000, IF/ICC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Purified recombinant fragment of human SMAD4 expressed in E. coli.
Isotype:	IgG ₁
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	Q13485 (UniProt , ExPASy)
Gene Symbol:	SMAD4
GeneID:	4089
OMIM:	114500
HGNC:	6770
KEGG:	hsa:4089
Ensembl:	ENSG00000141646
String:	9606.ENSP00000341551
Molecular Weight:	65 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.