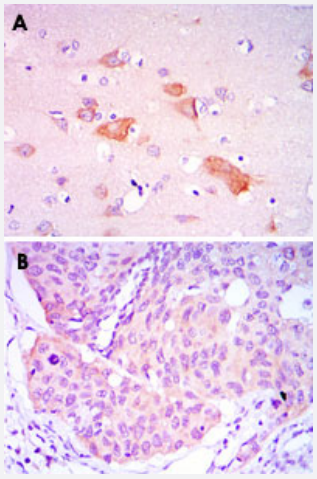
SMAD5 monoclonal antibody, clone 3H9

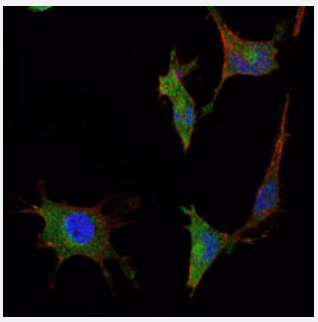
Catalog # MAB10322 Size 100 uL

Applications



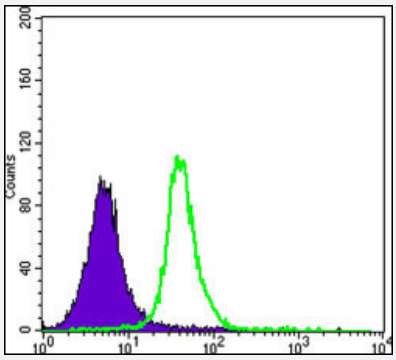
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human brain tissue (A) and lung cancer tissue (B) using SMAD5 monoclonal antobody, clone 3H9 (Cat # MAB10322) with DAB staining.



Immunofluorescence

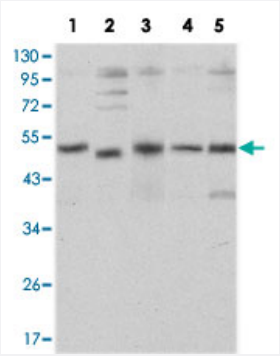
Immunofluorescence analysis of NTERA-2 cells using SMAD5 monoclonal antobody, clone 3H9 (Cat # MAB10322) (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow Cytometry

Flow cytometric analysis of Jurkat cells using SMAD5 monoclonal antobody, clone 3H9 (Cat # MAB10322) (green) and negative control (purple).

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Western Blot (Cell lysate)

Western blot analysis using SMAD5 monoclonal antobody, clone 3H9 (Cat # MAB10322) against HeLa (1), SK-N-SH (2), PC-12 (3), Jurkat (4), and K-562 (5) cell lysate.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant SMAD5.
Immunogen	Recombinant protein corresponding to human SMAD5.
Host	Mouse
Theoretical MW (kDa)	52
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunofluorescence (1:200-1:1000) Flow cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical analysis of paraffin-embedded human brain tissue (A) and lung cancer tissue (B) using SMAD5 monoclonal antobody, clone 3H9 (Cat # MAB10322) with DAB staining.

- Immunofluorescence

  Immunofluorescence analysis of NTERA-2 cells using SMAD5 monoclonal antobody, clone 3H9 (Cat # MAB10322) (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

- Flow Cytometry

  Flow cytometric analysis of Jurkat cells using SMAD5 monoclonal antobody, clone 3H9 (Cat # MAB10322) (green) and negative control (purple).

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Cell lysate)

  Western blot analysis using SMAD5 monoclonal antobody, clone 3H9 (Cat # MAB10322) against HeLa (1), SK-N-SH (2), PC-12 (3), Jurkat (4), and K-562 (5) cell lysate.

Gene Info — SMAD5

Entrez GeneID	4090
Gene Name	SMAD5
Gene Alias	DKFZp781C1895, DKFZp781O1323, Dwfc, JV5-1, MADH5
Gene Description	SMAD family member 5
Omim ID	603110
Gene Ontology	Hyperlink
Gene Summary	mothers against decapentaplegic homolog 5|SMA- and MAD-related protein 5|SMAD
Other Designations	MAD homolog 5|MAD, mothers against decapentaplegic homolog 5|SMA- and MAD-related protein 5|SMAD, mothers against DPP homolog 5|mothers against decapentaplegic homolog 5|mothers against decapentaplegic, drosophila, homolog of, 5

Pathway

- TGF-beta signaling pathway

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Disease

- Diabetes Mellitus
- Diabetic Nephropathies
- Genetic Predisposition to Disease
- Hemochromatosis
- Hypertension
- Kidney Failure
- Obesity
- Ovarian Failure
- Polycystic Ovary Syndrome
- Puberty
- Thrombophilia
- Tobacco Use Disorder

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