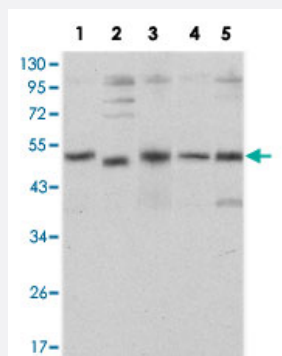


SMAD5 monoclonal antibody, clone 3H9

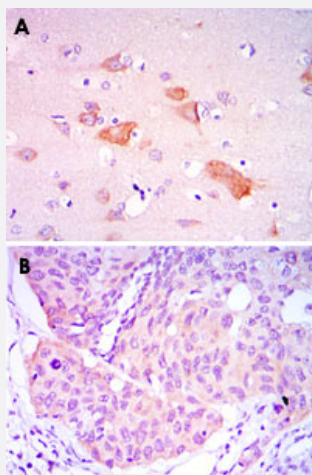
Catalog # MAB10322 Size 100 uL

Applications



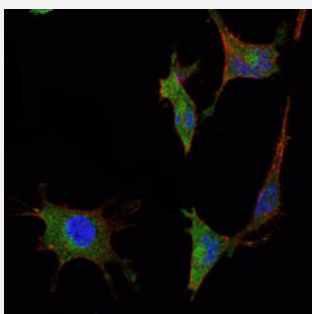
Western Blot (Cell lysate)

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



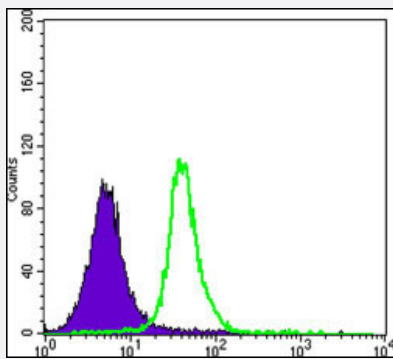
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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



Immunofluorescence

Immunofluorescence analysis of NTERA-2 cells using SMAD5 monoclonal antibody, 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 antibody, clone 3H9 (Cat # MAB10322) (green) and negative control (purple).

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 should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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

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

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

- Immunofluorescence

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

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

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

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](#)

Disease

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