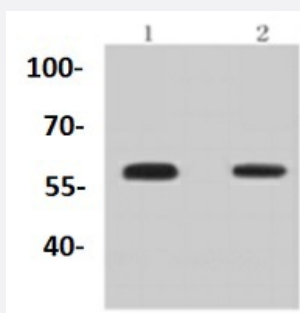


RecomAb™

SMAD5 (phospho-S463/465) recombinant monoclonal antibody

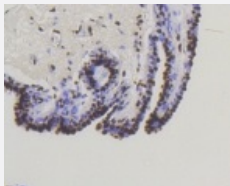
Catalog # RAB02723 Size 100 uL

Applications



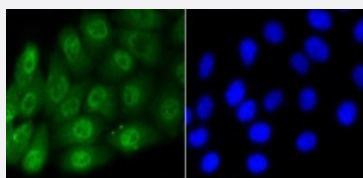
Western Blot (Tissue lysate)

Western blot analysis of Lane1:The brain tissue lysate of Mouse Lane2:The brain tissue lysate of Rat with SMAD5 (phospho-S463/465) recombinant monoclonal antibody (Cat # RAB02723) at 1:1000 dilution.



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

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using SMAD5 (phospho-S463/465) recombinant monoclonal antibody (Cat # RAB02723). Counter stained with hematoxylin.



Immunocytochemistry

Immunocytochemical staining of HepG2 cells using SMAD5 (phospho-S463/465) recombinant monoclonal antibody (Cat # RAB02723)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

Specification

Product Description

Rabbit recombinant monoclonal antibody raised against SMAD5.

Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant SMAD5.
Theoretical MW (kDa)	58
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of human Smad 5 protein only when phosphorylated at Ser 463 and Ser465.
Form	Liquid
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunohistochemistry (1:50-1:200) Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.2 (50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of Lane1:The brain tissue lysate of Mouse Lane2:The brain tissue lysate of Rat with SMAD5 (phospho-S463/465) recombinant monoclonal antibody (Cat # RAB02723) at 1:1000 dilution.

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- Immunocytochemistry

Immunocytochemical staining of HepG2 cells using SMAD5 (phospho-S463/465) recombinant monoclonal antibody (Cat # RAB02723)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

Gene Info — SMAD5

Entrez GeneID	4090
Protein Accession#	Q99717
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](#)