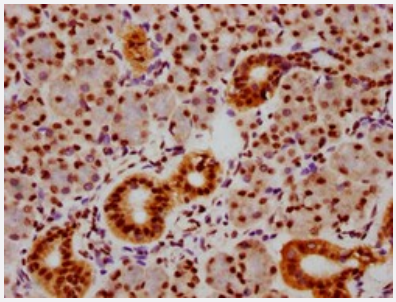
RecomAb™

SMAD5 (phospho S463/S465) recombinant monoclonal antibody, clone 2G11

Catalog # RAB04263 Size 100 uL

Applications



Immunohistochemistry

Immunohistochemical staining of human pancreatic tissue with SMAD5 (phospho S463/S465) recombinant monoclonal antibody, clone 2G11 (Cat # RAB04263) (diluated at 1:100).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human SMAD5.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic phosphopeptide corresponding to residues surroundin g S463/S465 of human SMAD5.
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.

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Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20 °C or -80 °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

- Immunohistochemistry

  Immunohistochemical staining of human pancreatic tissue with SMAD5 (phospho S463/S465) recombinant monoclonal antibody, clone 2G11 (Cat # RAB04263) (diluted at 1:100).

- Enzyme-linked Immunoabsorbent Assay

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

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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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