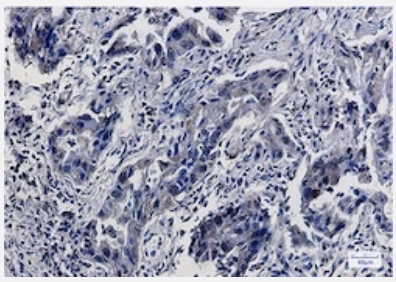
RecomAb™

# SMAD5 recombinant monoclonal antibody, clone R07-2A5

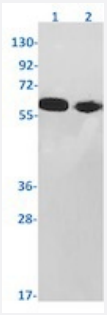
Catalog # RAB01906 Size 100 uL

## Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lung cancer with SMAD5 recombinant monoclonal antibody, clone R07-2A5 (Cat # RAB01906). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.




### Western Blot

Western blot analysis of Lane1: C6 and Lane2: Hela lysates with SMAD5 recombinant monoclonal antibody, clone R07-2A5 (Cat # RAB01906).

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human SMAD5. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against a synthetic peptide corresponding to human SMAD5. |
| **Theoretical MW (kDa)** | Calculated MW: 52 kD |
| **Reactivity** | Human, Rat |
| **Form** | Liquid |

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| | |
|---|---|
| **Preparation Method** | Mammalian cell (CHO) expression system |
| **Purification** | Affinity purification |
| **Isotype** | IgG |
| **Recommend Usage** | Immunofluorescence (1:50-1:200)<br>Immunohistochemistry (1:50-1:100)<br>Western Blot (1:500-1:1000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA). |
| **Storage Instruction** | Store at -20 °C.<br>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

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

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lung cancer with SMAD5 recombinant monoclonal antibody, clone R07-2A5 (Cat # RAB01906). High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

- Immunohistochemistry (Frozen sections)

- Immunofluorescence

- Western Blot

  Western blot analysis of Lane1: C6 and Lane2: Hela lysates with SMAD5 recombinant monoclonal antibody, clone R07-2A5 (Cat # RAB01906).

## Gene Info — SMAD5

| | |
|---|---|
| **Entrez GeneID** | 4090 |
| **Protein Accession#** | Q99717 |
| **Gene Name** | SMAD5 |
| **Gene Alias** | DKFZp781C1895, DKFZp781O1323, Dwfc, JV5-1, MADH5 |

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| | |
|---|---|
| **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

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