

MEIS2 Polyclonal antibody

Catalog Number: 11550-1-AP

1 Publications

Basic Information

Catalog Number:

11550-1-AP

Size:

300 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2096

GenBank Accession Number:

BC001516

GeneID (NCBI):

4212

UNIPROT ID:

O14770

Full Name:

Meis homeobox 2

Calculated MW:

381 aa, 42 kDa

Observed MW:

56 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:400-1:1600

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IHC

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: Jurkat cells, PC-3 cells, A549 cells, LNCaP cells, HCT 116 cells

IHC: human prostate cancer tissue,

Background Information

MEIS2, also named as Meis1-related protein 1 or MRG1, is a 477 amino acid protein, which contains one homeobox DNA-binding domain and belongs to the TALE/MEIS homeobox family. MEIS2 is expressed in various tissues and at high level in the lymphoid organs of hematopoietic tissues. MEIS2 localizes in the nucleus and is involved in transcriptional regulation. MEIS2 is a critical downstream effector within an essential homeoprotein network that serving a rate-limiting regulatory role in MLL leukemogenesis. MEIS2 as midbrain specific marker is upregulated concomitantly with the morphological transformation of hindbrain to midbrain.

Notable Publications

Author	Pubmed ID	Journal	Application
Russell Meaghan K MK	22315423	Proc Natl Acad Sci U S A	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

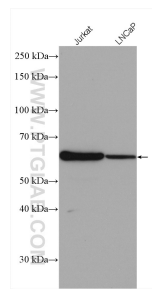
For technical support and original validation data for this product please contact:

T: 4006900926

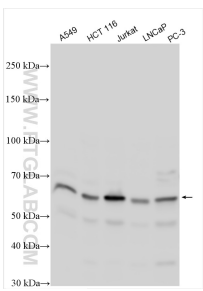
E: Proteintech-CN@ptglab.comW: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

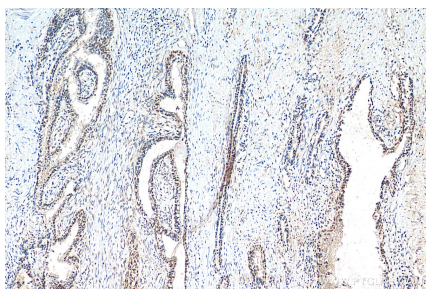
Selected Validation Data



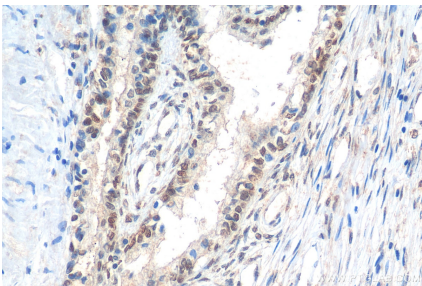
Various lysates were subjected to SDS PAGE followed by western blot with 11550-1-AP (MEIS2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 11550-1-AP (MEIS2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 11550-1-AP (MEIS2 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 11550-1-AP (MEIS2 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).