

HDAC5 Polyclonal Antibody

Catalog No: tcba419



Available Sizes

Size: 50ul

Size: 100ul

Size: 200ul



Specifications

Application:

WB,IHC,IF

Research Area:

Cancer,Stem cells,Wnt pathway,Cardiovascular,Developmental Biology,NF-κB pathway,

Species Reactivity:

Human,Mouse,Rat

Host Species:

Rabbit

Isotype:

IgG

Form:

Liquid

Storage Buffer:

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Recommended Dilution:

WB 1:500 - 1:2000

IHC 1:50 - 1:200

IF 1:50 - 1:200

Storage Instruction:

Store at -20°C. Avoid freeze / thaw cycles.

Alternative Names:

HD5;NY-CO-9

SwissProt:

Q9UQL6

Gene ID:

10014 (human);

Calculated Molecular Weight:

112kDa/121kDa/122kDa

Purification:

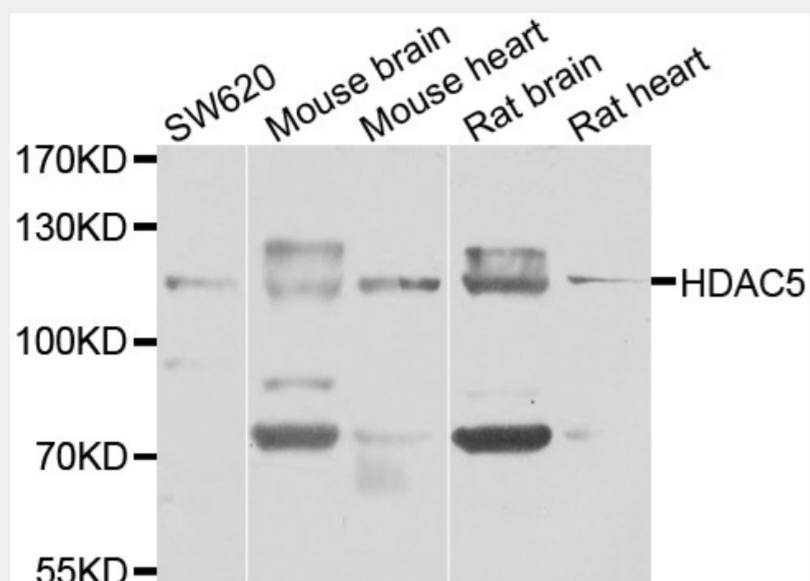
Affinity purification

Cellular Location:

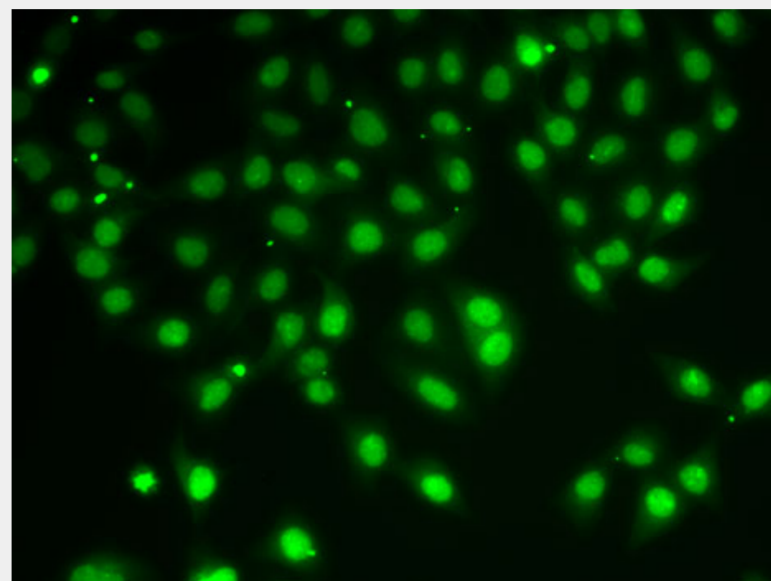
Cytoplasm,Nucleus,

Product Description

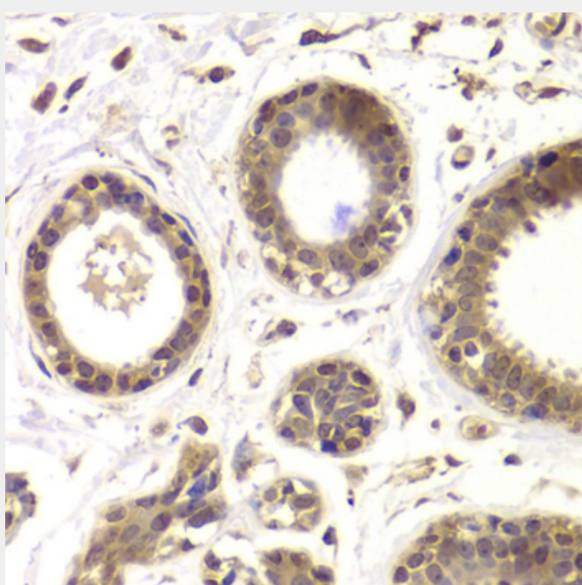
Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to the class II histone deacetylase/acuc/apha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. It coimmunoprecipitates only with HDAC3 family member and might form multicomplex proteins. It also interacts with myocyte enhancer factor-2 (MEF2) proteins, resulting in repression of MEF2-dependent genes. This gene is thought to be associated with colon cancer. Two transcript variants encoding different isoforms have been found for this gene.



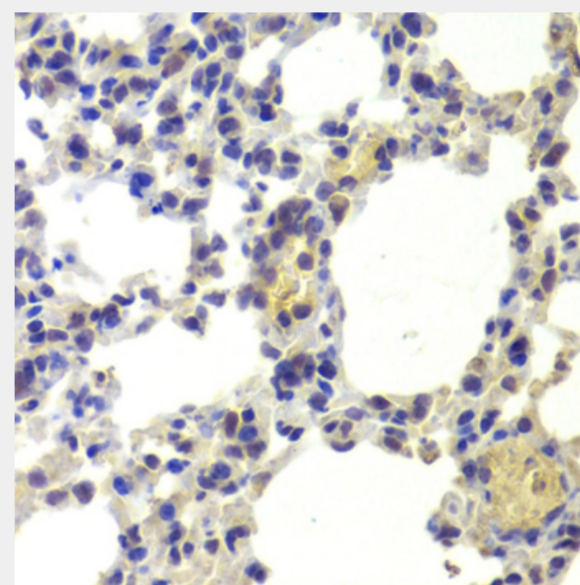
Western blot analysis of extracts of various cell lines, using HDAC5 antibody at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit.
Exposure time: 30s.



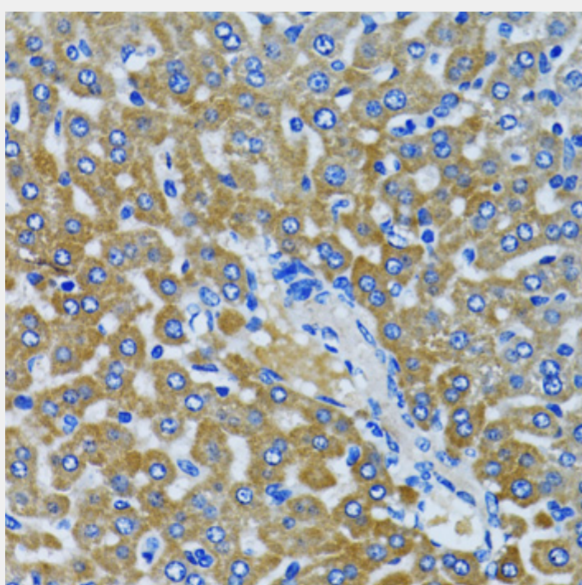
Immunofluorescence staining using HDAC5 antibody.



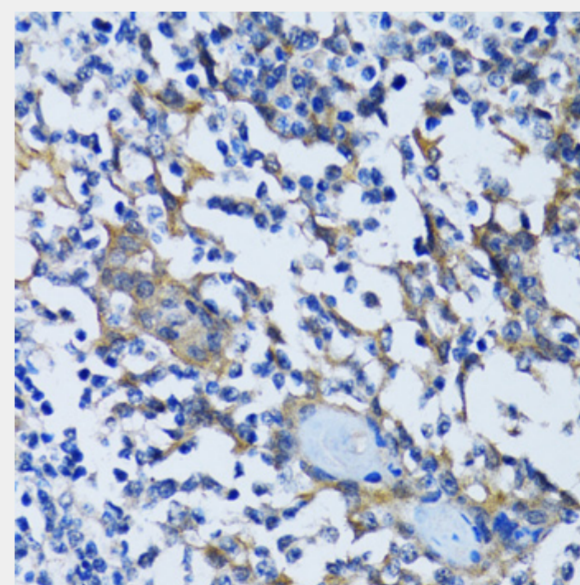
Immunohistochemistry of paraffin-embedded human mammary gland using HDAC5 antibody at dilution of 1:100 (40x lens).



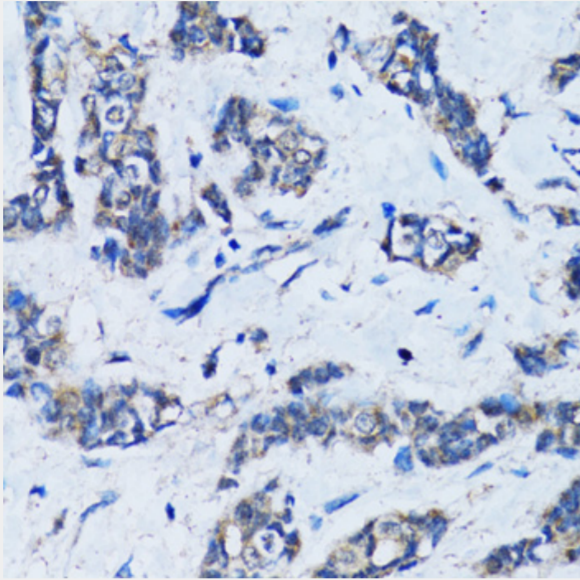
Immunohistochemistry of paraffin-embedded mouse lung using HDAC5 antibody at dilution of 1:100 (40x lens).



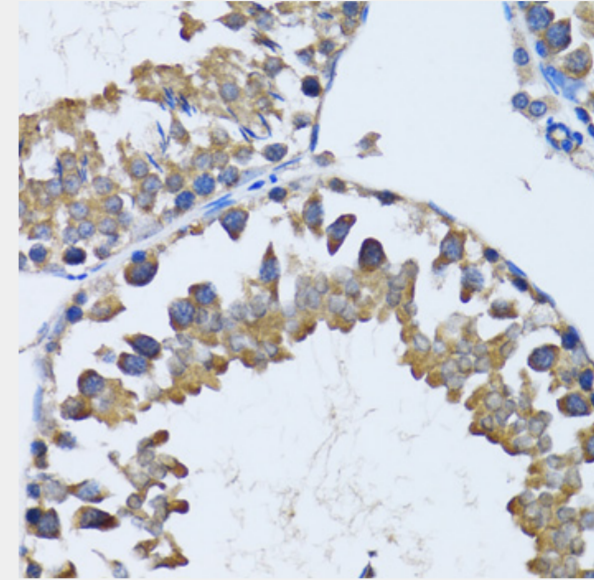
Immunohistochemistry of paraffin-embedded rat liver using HDAC5 antibody at dilution of 1:100 (40x lens).



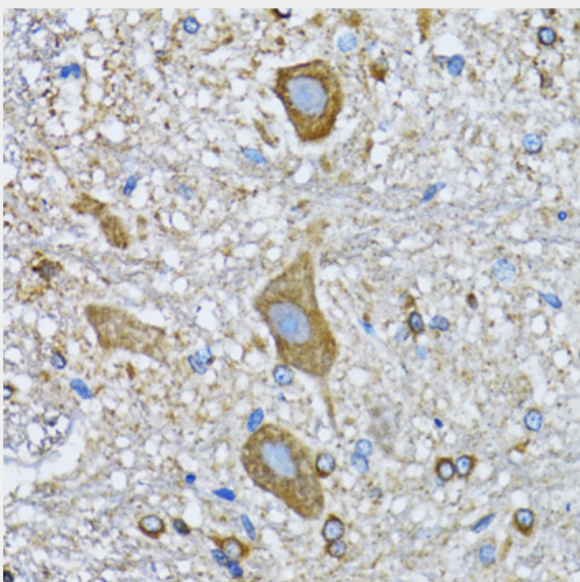
Immunohistochemistry of paraffin-embedded human tonsil using HDAC5 antibody at dilution of 1:100 (40x lens).



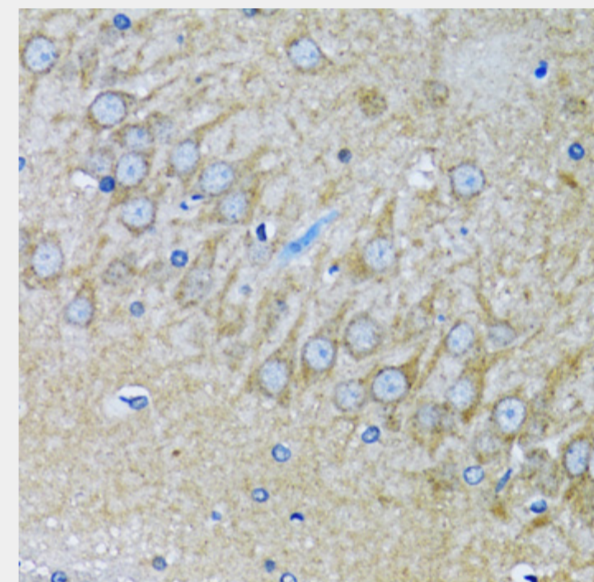
Immunohistochemistry of paraffin-embedded human breast cancer using HDAC5 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse testis using HDAC5 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse spinal cord using HDAC5 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse brain using HDAC5 antibody at dilution of 1:100 (40x lens).

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!