HDAC6 (Q18) polyclonal antibody

Catalog: BS1652 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

HDAC6 is a member of the class II mammalian histone deacetylases. Human HDAC6 is composed of 1215 amino acid residues. It possesses two separate putative catalytic domains. Both catalytic domains are fully functional HDACs and contribute independently to the overall activity of HDAC6 protein. A very potent NES is present at the amino-terminus of HDAC6, which was found to play an important role in regulating the shuttling of HDAC6 protein between cytoplasm and nucleus. The shuttling process may be a critical regulatory mechanism of HDAC6 function. The expression of HDAC6 is tightly linked to the state of cell differentiation. HDAC6 may participate in coordinating expression of a group of genes involved in the remodelling of chromatin during cell differentiation.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 131, 160 kDa

Swiss-Prot:

Q9UBN7

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

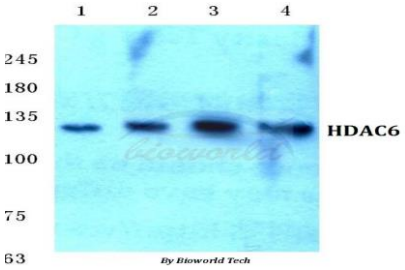
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

HDAC6 (Q18) polyclonal antibody detects endogenous levels of HDAC6 protein.

DATA:



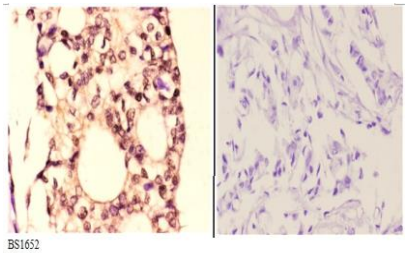
Western blot (WB) analysis of HDAC6 (Q18) polyclonal antibody at 1:500 dilution

Lane1:Jurkat cell lysate

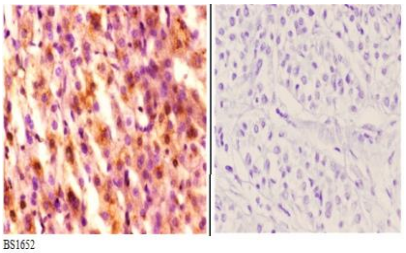
Lane2:HEK293T cell lysate

Lane3:Rat liver tissue lysate

Lane4:Mouse liver tissue lysate



Immunohistochemistry (IHC) analyzes of HDAC6 (Q18) pAb in paraffin-embedded human breast carcinoma tissue at 1:50.showing Cytoplasm and Nucleus staining. Negative control (the right)Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



Immunohistochemistry (IHC) analyzes of HDAC6 (Q18) pAb in paraffin-embedded human liver carcinoma tissue at 1:50.showing Cytoplasm

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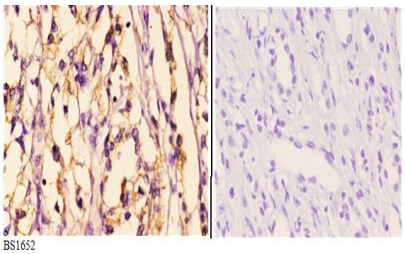
and Nucleus staining. Negative control (the right)Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



Immunohistochemistry (IHC) analyzes of HDAC6 (Q18) pAb in paraffin-embedded human kidney carcinoma tissue at 1:50.showing Cytoplasm and Nucleus staining. Negative control (the right)Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

Note:

For research use only, not for use in diagnostic procedure.

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