Cytokeratin 18 (phospho-S33) polyclonal antibody

Catalog: BCP00624 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Cytokeratin 18 encodes the type I intermediate filament chain keratin 18. Keratin 18, together with its filament partner keratin 8, are perhaps the most commonly found members of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Mutations in this gene have been linked to cryptogenic cirrhosis. Two transcript variants encoding the same protein have been found for this gene.Involved in the uptake of thrombin-antithrombin complexes by hepatic cells By similarity. When phosphorylated, plays a role in filament reorganization. Involved in the delivery of mutated CFTR to the plasma membrane. Together with KRT8, is involved in interleukin-6 (IL-6)-mediated barrier protection.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 46 kDa

Swiss-Prot:

P05783

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

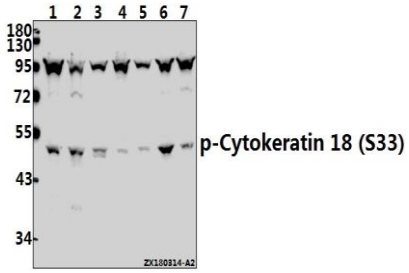
Storage&Stability:

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

Specificity:

p-Cytokeratin 18 (S33) polyclonal antibody detects endogenous levels of Cytokeratin 18 protein only when phosphorylated at Ser33.

DATA:



Western blot (WB) analysis of p-Cytokeratin 18 (S33) pAb at 1:500 dilution

Lane1:HCT116 whole cell lysate(40ug)

Lane2:L02 whole cell lysate(40ug)

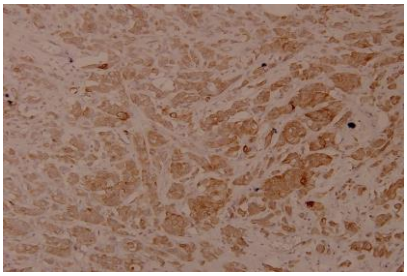
Lane3:MCF-7 whole cell lysate(40ug)

Lane4:CT26 whole cell lysate(40ug)

Lane5:PMVEC whole cell lysate(40ug)

Lane6:A549 whole cell lysate(40ug)

Lane7:SGC7901 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of p-Cytokeratin 18 (S33) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

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

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