

Datasheet for ABIN7138559

anti-Cytokeratin 18 antibody (pSer33)



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2 Images

Overview

Quantity:	100 µL
Target:	Cytokeratin 18 (KRT18)
Binding Specificity:	pSer33
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cytokeratin 18 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Peptide sequence around phosphorylation site of serine 33 (A-A-S(p)-V-Y) derived from Human Keratin 18 (CK18).
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using

Target Details

Target:	Cytokeratin 18 (KRT18)
Alternative Name:	KRT18 (KRT18 Products)

Target Details

Background: Background: KRT18 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.

Ramaekers, F.C. and Bosman, F.T. (2004) J. Pathol. 204, 351-354.

Chang, L. and Goldman, R.D. (2004) Nat. Rev. Mol. Cell Biol. 5, 601-613.

Moll, R. et al. (1982) Cell 31, 11-24.

Aliases: Cell proliferation inducing gene 46 protein antibody, Cell proliferation inducing protein 46 antibody, Cell proliferation-inducing gene 46 protein antibody, CK 18 antibody, CK-18 antibody, CK18 antibody, CYK 18 antibody, CYK18 antibody, Cytokeratin 18 antibody, Cytokeratin endo B antibody, Cytokeratin-18 antibody, K 18 antibody, K18 antibody, K1C18_HUMAN antibody, KA18 antibody, Keratin 18 antibody, Keratin 18, type I antibody, Keratin D antibody, keratin, type I cytoskeletal 18 antibody, Keratin-18 antibody, Krt18 antibody

UniProt: [P05783](#)

Pathways: [Apoptosis](#), [Caspase Cascade in Apoptosis](#)

Application Details

Application Notes: WB:1:500-1:1000, IHC:1:50-1:100,

Restrictions: For Research Use only

Handling

Format: Liquid

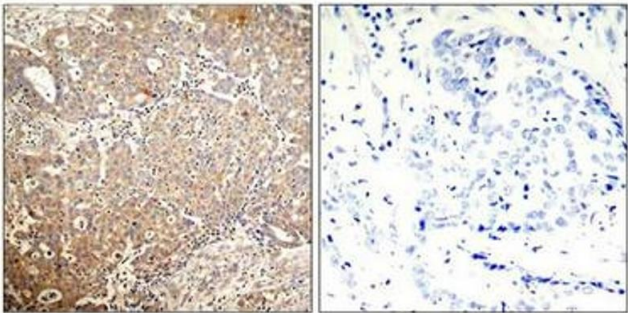
Buffer: Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

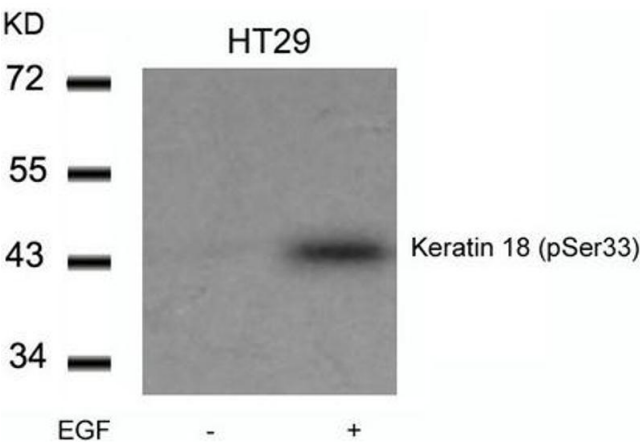
Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Keratin 18(Phospho-Ser33) Antibody(left) or the same antibody preincubated with blocking peptide(right).



Western Blotting

Image 2. Western blot analysis of extracts from HT29 cells untreated or treated with EGF using Keratin 18(Phospho-Ser33) Antibody.