

ARG22307 anti-Cytokeratin 8 antibody [SB37b]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [SB37b] recognizes Cytokeratin 8
Tested Reactivity	Hu
Tested Application	ELISA, FACS, ICC/IF, IHC-P, IP, WB
Host	Mouse
Clonality	Monoclonal
Clone	SB37b
Isotype	IgG2a
Target Name	Cytokeratin 8
Species	Human
Immunogen	Recombinant protein of Human C-terminal cytokeratin 8.
Conjugation	Un-conjugated
Alternate Names	Keratin, type II cytoskeletal 8; KO; CYK8; CK-8; Type-II keratin Kb8; K2C8; CARD2; Keratin-8; K8; CK8; Cytokeratin-8

Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	FACS	Assay-dependent
	ICC/IF	< 5 ug/ml
	IHC-P	Assay-dependent
	IP	Assay-dependent
	WB	< 2 ug/ml

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

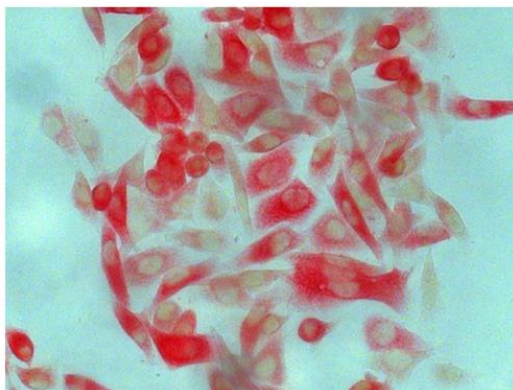
Form	Liquid
Buffer	BBS (pH 8.2)
Concentration	0.1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

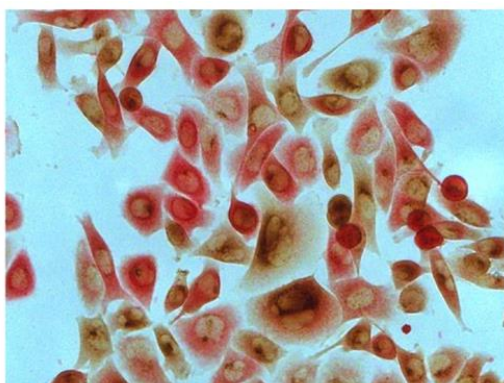
Database links	GeneID: 3856 Human Swiss-port # P05787 Human
Gene Symbol	KRT8
Gene Full Name	keratin 8, type II
Background	This gene is a member of the type II keratin family clustered on the long arm of chromosome 12. Type I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. The product of this gene typically dimerizes with keratin 18 to form an intermediate filament in simple single-layered epithelial cells. This protein plays a role in maintaining cellular structural integrity and also functions in signal transduction and cellular differentiation. Mutations in this gene cause cryptogenic cirrhosis. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2012]
Function	Together with KRT19, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle. [UniProt]
Calculated Mw	54 kDa
PTM	Phosphorylation on serine residues is enhanced during EGF stimulation and mitosis. Ser-74 phosphorylation plays an important role in keratin filament reorganization. O-glycosylated. O-GlcNAcylation at multiple sites increases solubility, and decreases stability by inducing proteasomal degradation. O-glycosylated (O-GlcNAcylation), in a cell cycle-dependent manner.

Images



ARG22307 anti-Cytokeratin 8 antibody [SB37b] ICC image

Immunocytochemistry: Human pancreatic carcinoma cell line MIA PaCa-2 stained with ARG22307 anti-Cytokeratin 8 antibody [SB37b] followed by [ARG23804](#) Goat anti-Mouse IgG2a antibody (AP) (pre-adsorbed), Red AP, and mounted with Fluoromount-G.



ARG22307 anti-Cytokeratin 8 antibody [SB37b] ICC image

Immunocytochemistry: Human pancreatic carcinoma cell line MIA PaCa-2 stained with ARG22307 anti-Cytokeratin 8 antibody [SB37b] and [ARG21506](#) anti-MMP1 antibody [SB12e] followed by [ARG23804](#) Goat anti-Mouse IgG2a antibody (AP) (pre-adsorbed) and [ARG21894](#) Goat anti-Mouse IgG2b antibody (HRP) (pre-adsorbed), Red AP, DAB and mounted with Fluoromount-G.