

ARG62983
anti-Cytokeratin 8 antibody [C-43]Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [C-43] recognizes Cytokeratin 8
Tested Reactivity	Hu, Bov, Pig, Rb, Sheep
Species Does Not React With	Ms, Rat, Chk, Hm, Xenopus laevis
Tested Application	ICC/IF, IHC-P, IP, WB
Specificity	The clone C-43 reacts with Cytokeratin 8 (52.5 kDa). Cytokeratins are a member of intermediate filaments subfamily represented in epithelial tissues.
Host	Mouse
Clonality	Monoclonal
Clone	C-43
Isotype	IgG1
Target Name	Cytokeratin 8
Species	Human
Immunogen	Cytoskeleton preparation from HeLa human cervix carcinoma cell line.
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
	ICC/IF	Assay-dependent
	IHC-P	10 µg/ml
	IP	Assay-dependent
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	IHC-P: Prostate	

Properties

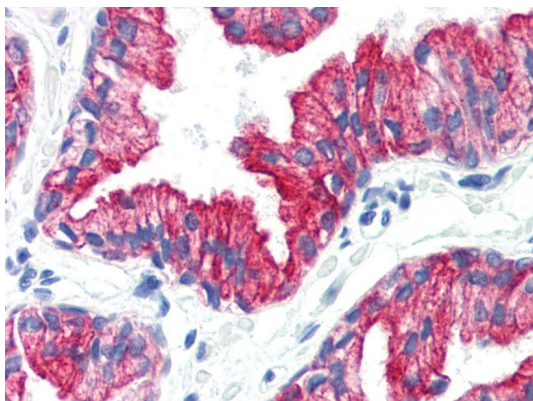
Form	Liquid
Purification	Purified from hybridoma culture supernatant by protein A-affinity chromatography.
Purity	> 95% (by SDS-PAGE)

Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	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: 281269 Bovine GeneID: 3856 Human Swiss-port # P05786 Bovine Swiss-port # P05787 Human
Gene Symbol	KRT8
Gene Full Name	keratin 8, type II
Background	Cytokeratins are a subfamily of intermediate filaments and characterized by remarkable biochemical diversity. Cytokeratins are represented in epithelial tissues by at least 20 different polypeptides, molecular weight between 40 kDa and 68 kDa. The individual cytokeratin polypeptides are designated 1 to 20 and divided into the type I (acidic cytokeratins 9-20) and type II (basic to neutral cytokeratins 1-8) families.
Function	Together with KRT19, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle. [UniProt]
Research Area	Cancer antibody; Signaling Transduction antibody
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-GlcNAcylated), in a cell cycle-dependent manner.

Images



ARG62983 anti-Cytokeratin 8 antibody [C-43] IHC-P image

Immunohistochemistry: Paraffin-embedded Human prostate tissue stained with ARG62983 anti-Cytokeratin 8 antibody [C-43].

ARG62983 anti-Cytokeratin 8 antibody [C-43] WB image

Western blot: HeLa cell lysate stained with ARG62983 anti-Cytokeratin 8 antibody [C-43], in reducing conditions.

