ARG62462
anti-Cytokeratin 20 antibody [Ks20.8]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [Ks20.8] recognizes Cytokeratin 20
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-Fr, IHC-P, WB
Specificity	This antibody is highly specific to cytokeratin 20 and shows no cross-reaction with other intermediate filament proteins.
Host	Mouse
Clonality	Monoclonal
Clone	Ks20.8
Isotype	IgG2a
Target Name	Cytokeratin 20
Species	Human
Immunogen	Cytoskeletal preparation from micro-dissected villi of human duodenal mucosa.
Conjugation	Un-conjugated
Alternate Names	KRT21; CK20; K20; CD20; CK-20; Keratin-20; Cytokeratin-20; Keratin, type I cytoskeletal 20; Protein IT

Application Instructions

Application table

Application	Dilution
FACS	1:50
ICC/IF	1:200
IHC-Fr	1:50 - 1:100
IHC-P	1:50 - 1:100
WB	Assay-dependent

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

Properties

Form	Liquid
Buffer	PBS (pH 7.3), Van Gogh Yellow Diluent and 0.1% Sodium azide
Preservative	0.1% Sodium azide
Concentration	0.2 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: 54474 Human Swiss-port # P35900 Human
Gene Symbol	KRT20
Gene Full Name	keratin 20, type I
Background	Cytokeratin 20 is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. This cytokeratin is a major cellular protein of mature enterocytes and goblet cells and is specifically expressed in the gastric and intestinal mucosa. The type I cytokeratin genes are clustered in a region of chromosome 17q12-q21. [provided by RefSeq, Jul 2008]
Function	Cytokeratin 20 plays a significant role in maintaining keratin filament organization in intestinal epithelia. When phosphorylated, plays a role in the secretion of mucin in the small intestine. [UniProt]
Research Area	CK7/CK20 Carcinoma Study antibody
Calculated Mw	48 kDa
PTM	Hyperphosphorylation at Ser-13 occurs during the early stages of apoptosis but becomes less prominent during the later stages. Phosphorylation at Ser-13 also increases in response to stress brought on by cell injury (By similarity). Proteolytically cleaved by caspases during apoptosis. Cleavage occurs at Asp-228.
Cellular Localization	Cytoplasm