

Mouse CK5 Monoclonal Antibody | anti-CK5 antibody

CK5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29898	Mouse	Human, Mouse, Monkey	Western Blot, Immunohistochemistry, Immunocytochemistry, Flow Cytometry, Functional Assay

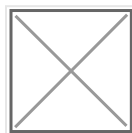
PRODUCT SYNONYMS

CK5; Monoclonal Antibody; CK5 Antibody; 58 kDa cytokeratin antibody; CK-5 antibody; CK5 antibody; Cytokeratin-5 antibody; Cytokeratin5 antibody; DDD antibody; DDD1 antibody; EBS2 antibody; epidermolysis bullosa simplex 2 Dowling-Meara/Kobner/Weber-Cockayne types antibody; K2C5_HUMAN antibody; K5 antibody; keratin 5 (epidermolysis bullosa simplex; Dowling-Meara/Kobner/Weber-Cockayne types) antibody; Keratin 5 antibody; Keratin antibody; keratin complex 2; basic; gene 5 antibody; keratin; type II cytoskeletal 5 antibody; Keratin-5 antibody; Keratin5 antibody; KRT 5 antibody; Krt5 antibody; KRT5A antibody; Type-II keratin Kb5 antibody; anti-CK5 antibody

PRODUCT SPECIFICATIONS

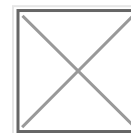
Host	Mouse
Reactivity	Human, Mouse, Monkey
Clonality	Monoclonal
Clone Number	6D-4D
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-CK5 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:1000-1:2000 IHC: 1:50-1:200 ICC: 1:50-1:200 FC/FACS: 1:50-1:100
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



FCM (Flow Cytometry)

Flow cytometric analysis of HeLa cells with CK5 antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).



ICC (Immunocytochemistry)

ICC staining CK5 (green) and Actin filaments (red) in MCF-7 cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human ovarian cancer tissue using anti-CK5 antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of CK5 on HEK293 (1) and CK5-hlgGfc transfected HEK293 (2) cell lysate using anti-CK5 antibody at 1/1, 000 dilution.



WB (Western Blot)

Western blot analysis of CK5 on human CK5 recombinant protein using anti-CK5 antibody at 1/1, 000 dilution.



WB (Western Blot)

Western blot analysis of CK5 on different cells lysates using anti-CK5 antibody at 1/1, 000 dilution. Positive control: 1/2 Line1: A431 Line2: 3T3-L1 Line3: COS7 Line4: MCF-7 Line5: SK-Br-3 Line6: Hela Line7: Lncap Line8: HepG2

ADDITIONAL INFORMATION

Related Product Information for anti-CK5 antibody	Cytokeratins comprise a diverse group of intermediate filament proteins (IFPs) that are expressed as pairs in both keratinized and non-keratinized epithelial tissue. Cytokeratins play a critical role in differentiation and tissue specialization and function to maintain the overall structural integrity of epithelial cells. Cytokeratins have been found to be useful markers of tissue differentiation which is directly applicable to the characterization of malignant tumors. Cytokeratin 5 is expressed in normal basal cells. Mutations of the cytokeratin 5 gene (KRT5) have been shown to result in the autosomal dominant disorder epidermolysis bullosa (EB).
Product Categories/Family for anti-CK5 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	119395754
NCBI GeneID	3852
NCBI Accession #	NP_000415.2
NCBI GenBank Nucleotide #	NM_000424.3
UniProt Accession #	P13647; Q6PI71; Q6UBJ0; Q8TA91
Molecular Weight	62,378 Da
NCBI Official Full Name	keratin, type II cytoskeletal 5
NCBI Official Synonym Full Names	keratin 5
NCBI Official Symbol	KRT5
NCBI Official Synonym Symbols	K5; CK5; DDD; EBS2; KRT5A
NCBI Protein Information	keratin, type II cytoskeletal 5; CK-5; cytokeratin-5; 58 kda cytokeratin; type-II keratin Kb5; epidermolysis bullosa simplex 2 Dowling-Meara/Kobner/Weber-Cockayne types; keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types)
UniProt Protein Name	Keratin, type II cytoskeletal 5
UniProt Gene Name	KRT5
UniProt Synonym Gene Names	CK-5; K5
UniProt Entry Name	K2C5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

