

Rabbit Pan Cytokeratin Polyclonal Antibody

Pan CytokeRatin

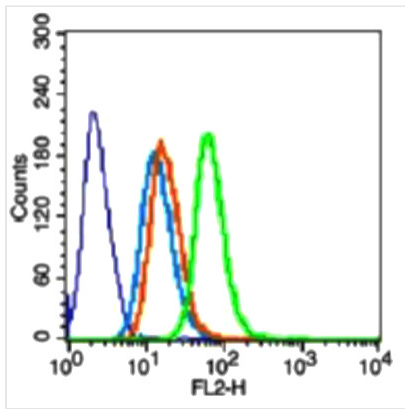
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA269011	Rabbit	Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit	Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

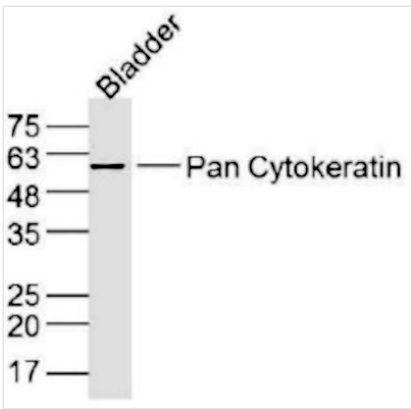
Pan Cytokeratin; Polyclonal Antibody; Pan CytokeRatin; pan-cytokeratin; pan-CK; pan CK; P-CK; wide spectrum Cytokeratin; Cytokeratins; [cytokeratins 1; 2; 4; 5; 6; 7; 8; 71; 72; 75; 78]; anti-Pan Cytokeratin antibody

PRODUCT SPECIFICATIONS

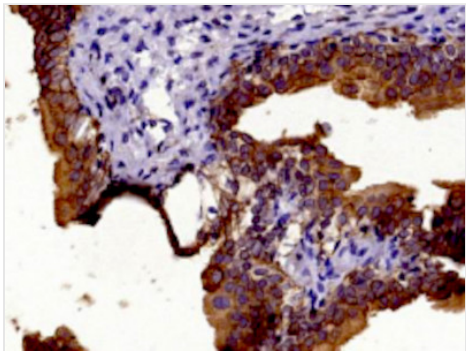
Host	Rabbit
Reactivity	Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purified by Protein A
Form/Format	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Applicable Applications for anti-Pan Cytokeratin antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	KLH conjugated synthetic peptide derived from human cytokeratins 1, 2, 4, 5, 6, 7, 8, 71, 72, 75, 78
Conjugation	APC
Positive control	Rat bladder, Bladder (Mouse) Lysate, human cervical carcinoma, Hela, human gastric carcinoma, human liver, Human kidney, Human stomach carcinoma.
Subcellular location	Cytoplasmic.
Preparation and Storage	Store at -20°C for one year. Avoid repeated freeze/thaw cycles.



FCM/FACS (Flow Cytometry)
Blank control (blue line): Hela (blue). Primary Antibody (green line): Rabbit Anti-Pan Cytokeratin antibody. Dilution: 1 u g /106 cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE. Dilution: 1ug /test. Protocol: The cells were fixed with 70% methanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 20 min at -20?. Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



WB (Western Blot)
Bladder (Mouse) Lysate at 40 ug. Primary: Anti-Pan Cytokeratin at 1/300 dilution. Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution. Predicted band size: 42-64 kD. Observed band size: 60 kD.



IHC (Immunohistochemistry)
Paraformaldehyde-fixed, paraffin embedded (Rat bladder);Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37 ? for 30min; Antibody incubation with (Pan Cytokeratin) Polyclonal Antibody, Unconjugated at 1:400 overnight at 4 ? ,followed by operating according to SP Kit(Rabbit) instructions and DAB staining.

ADDITIONAL INFORMATION

Related Product Information for anti-Pan Cytokeratin antibody	Description: 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. For example, cytokeratins 10 and 13 are expressed highly in a subset of squamous cell carcinomas while cytokeratin 18 is expressed in a majority of adenocarcinomas and basal cell carcinomas.
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NCBI AND UNIPROT INFORMATION

Molecular Weight	Molecular Wt: 42-64 KDa
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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.