

CK7 Rabbit pAb

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Catalog # AP52316

Product Information

Application	WB, IHC-P, IHC-F, IF
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from the middle of mouse CK7
Epitope Specificity	251-350/469
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels. The genes encoding the type II cytokeratins are clustered in a region of chromosome 12q12-q13. Alternative splicing may result in several transcript variants; however, not all variants have been fully described. [provided by RefSeq, Jul 2008]

Additional Information

Other Names	K7; Krt2-7; D15Wsu77e; Keratin, type II cytoskeletal 7; Cytokeratin-7; CK-7; Keratin-7; Type-II keratin Kb7; Krt7
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,Flow-Cyt=1ug/Test
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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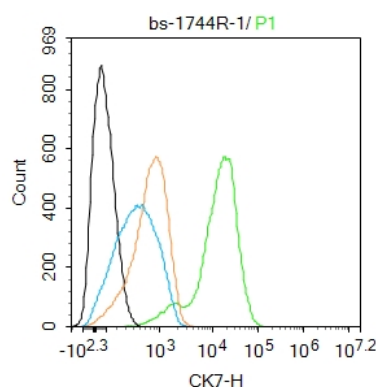
References

Smith F.J.D.,et al.Biochem. Biophys. Res. Commun. 297:818-827(2002).

Carninci P.,et al.Science 309:1559-1563(2005).

Lubec G.,et al.Submitted (JAN-2009) to UniProtKB.

Images



Blank control:Hela.

Primary Antibody (green line): Rabbit Anti-Cytokeratin 7 antibody (AP52316)

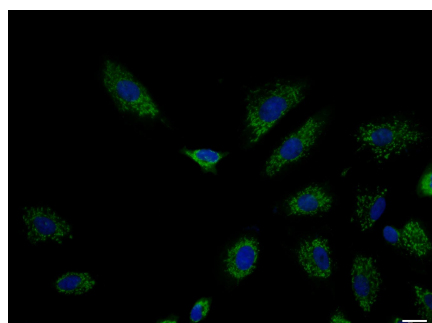
Dilution: 1ug/Test;

Secondary Antibody : Goat anti-rabbit IgG-FITC

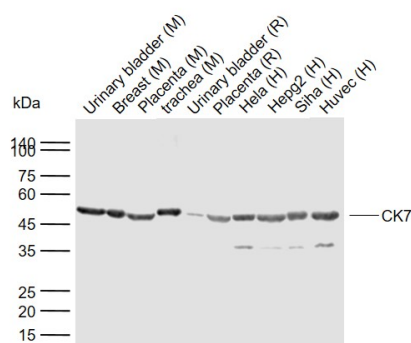
Dilution: 0.5ug/Test.

Protocol

The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C.The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



A549 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Cytokeratin 7) polyclonal Antibody, Unconjugated (AP52316) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Sample:

Lane 1: Mouse Urinary bladder tissue lysates

Lane 2: Mouse Breast tissue lysates

Lane 3: Mouse Placenta tissue lysates

Lane 4: Mouse trachea tissue lysates

Lane 5: Rat Urinary bladder tissue lysates

Lane 6: Rat Placenta tissue lysates

Lane 7: Human Hela cell lysates

Lane 8: Human HepG2 cell lysates

Lane 9: Human Siha cell lysates

Lane 10: Human Huvec cell lysates

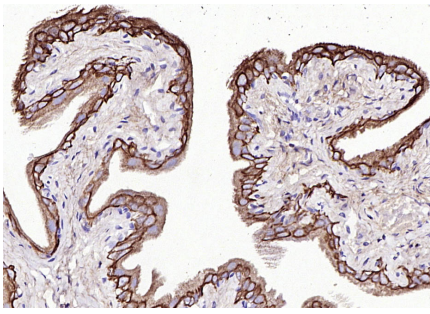
Primary: Anti-CK7 (AP52316) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 54 kDa

Observed band size: 52 kDa

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°C for 30min; Antibody incubation with (CK7) Polyclonal Antibody, Unconjugated (AP52316) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.