

Rabbit Cytokeratin 5 Polyclonal Antibody | anti-KRT5 antibody

Anti-Cytokeratin 5 Antibody

CATALOG # AAA46718	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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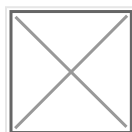
PRODUCT SYNONYMS

Cytokeratin 5; Polyclonal Antibody; Anti-Cytokeratin 5 Antibody; CK-5; CK5; Cytokeratin-5; Cytokeratin5; DDD; DDD1; EBS2; K5; Keratin 5; Keratin; Keratin-5; Keratin5; KRT 5; Krt5; KRT5A; P13647; type II cytoskeletal 5; anti-KRT5 antibody

PRODUCT SPECIFICATIONS

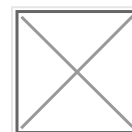
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	590
Applicable Applications for anti-KRT5 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Notes	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Cytokeratin 5 (286-317aa KVELEAKVDALMDEINFMKMFFDAELSQMQTH), different from the related mouse sequence by one amino acid, and identical to the related rat sequence.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Cytokeratin 5 was detected in paraffin-embedded sections of human oesophagus squama cancer tissues using rabbit anti- Cytokeratin 5 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohistochemistry)

Cytokeratin 5 was detected in paraffin-embedded sections of human tonsil tissues using rabbit anti- Cytokeratin 5 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)

Western blot analysis of Cytokeratin 5 expression in rat kidney extract (lane 1), COLO320 whole cell lysates (lane 2) and HELA whole cell lysates (lane 3). Cytokeratin 5 at 62KD was detected using rabbit anti- Cytokeratin 5 Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-KRT5 antibody	Rabbit IgG polyclonal antibody for Keratin, type II cytoskeletal 5(KRT5) detection. Background: Cytokeratin 5, also known as KRT5, K5, or CK5, is a protein that is encoded in humans by the KRT5 gene. 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 basal layer of the epidermis with family member KRT14. Mutations in these genes have been associated with a complex of diseases termed epidermolysis bullosa simplex. The type II cytokeratins are clustered in a region of chromosome 12q12-q13.
References	1. "Entrez Gene: KRT5 keratin 5 (epidermolysis bullosa simplex, Dowling-Meara/Kobner/Weber-Cockayne types)". 2. Eckert RL, Rorke EA (Jun 1988). "The sequence of the human epidermal 58-kD (#5) type II keratin reveals an absence of 5' upstream sequence conservation between coexpressed epidermal keratins". Dna. 7 (5): 337-45. 3. Lersch R, Fuchs E (Jan 1988). "Sequence and expression of a type II keratin, K5, in human epidermal cells". Molecular and Cellular Biology. 8 (1): 486-93.

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; DDD1; EBS2; KRT5A
NCBI Protein Information	keratin, type II cytoskeletal 5
UniProt Protein Name	Keratin, type II cytoskeletal 5
UniProt Gene Name	KRT5
UniProt Synonym Gene Names	CK-5; K5

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.