Cytokeratin 6 (ABT052) IHC kit

CatalogNo: IHCM6171

Key Features

Host Species
- Mouse

Reactivity
- Human,

Applications
- IHC

Isotype
- IgG2a,Kappa

Recommended Dilution Ratios

Storage

Storage*	2°C to 8°C/1 year

Basic Information

Clonality	Monoclonal
Clone Number	ABT052

Immunogen Information

Immunogen	Synthesized peptide derived from human Cytokeratin 6 AA range: 2-100
Specificity	The antibody can specifically recognize human CK6 protein, and shows no cross reaction with CK5.

Target Information

Gene name	KRT6A K6A KRT6D

Protein Name CK 6A;CK 6B;CK 6C;CK 6D;CK 6E;CK-6B;CK-6C;CK-6E;Cytokeratin 6a;Cytokeratin 6B;Cytokeratin 6C;Cytokeratin 6D;Cytokeratin 6E;Cytokeratin-6B;Cytokeratin-6C;Cytokeratin-6E;K2C6C_HUMAN;K6a keratin;K6b keratin;K6C;K6c keratin;K6d keratin;K6e keratin;Keratin;Keratin K6h;Keratin type II cytoskeletal 6A;Keratin type II cytoskeletal 6B;Keratin type II cytoskeletal 6C;Keratin type II cytoskeletal 6D;Keratin type II cytoskeletal 6E;Keratin-6C;KRT6A;KRT6B;KRT6C;KRT6D;KRT6E;type II cytoskeletal 6C;Type-II keratin Kb12

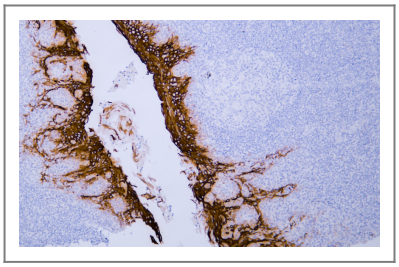
Organism	Gene ID	UniProt ID
Human		P02538; P04259; P48668;
Mouse		P50446;
Rat		Q4FZU2;

Cellular Localization Cytoplasmic, Membranous

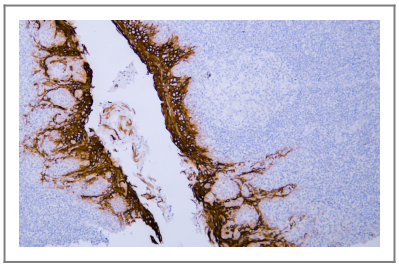
Tissue specificity Tonsil/ Prostate

Function allergen:Causes an allergic reaction in human. Binds to IgE from atopic dermatitis (AD) patients. Identified as an IgE autoantigen in atopic dermatitis (AD) patients with severe skin manifestations.,Disease:Defects in KRT6A are a cause of pachyonychia congenita type 1 (PC1) [MIM:167200]; also known as Jadassohn-Lewandowsky syndrome. PC1 is an autosomal dominant ectodermal dysplasia characterized by hypertrophic nail dystrophy resulting in onchyogryposis (thickening and increase in curvature of the nail), palmoplantar keratoderma, follicular hyperkeratosis, and oral leukokeratosis. Hyperhidrosis of the hands and feet is usually present.,miscellaneous:There are at least six isoforms of human type II keratin-6 (K6), K6A being the most abundant representing about 77% of all forms found in epithelia.,miscellaneous:There are two types of cytoskeletal and microfibrillar keratin, I (acidic) and II (neutral to basic) (40-55 and 56-70 kDa, respectively).,similarity:Belongs to the intermediate filament family.,subunit:Heterodimer of a type I and a type II keratin. KRT6 isomers associate with KRT16 and/or KRT17. Interacts with TCHP.,tissue specificity:Constitutively expressed in distinct types of epithelia such as those in oral mucosa, esophagus, papillae of tongue and hair follicle outer root sheath.,

Validation Data



Human tonsil tissue was stained with Anti-Cytokeratin 6 (ABT052) Antibody



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Contact information

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Please scan the QR code to access additional product information:
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