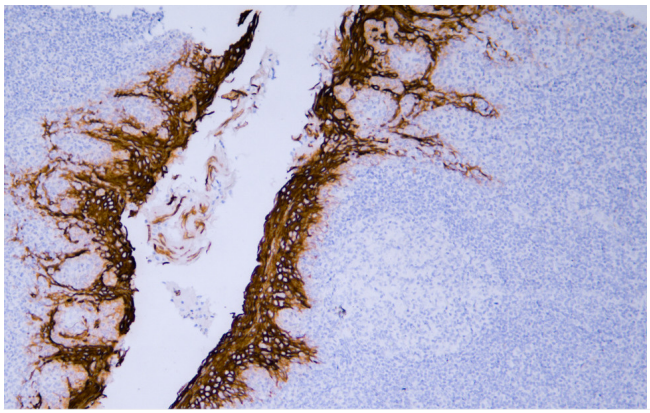
Cytokeratin 6 (ABT052) Mouse mAb

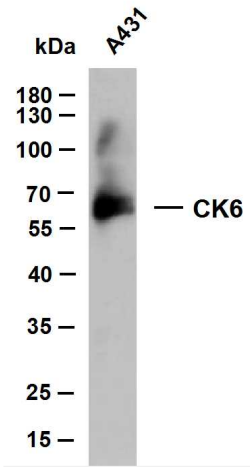
Catalog No	YP-Ab-15099
Isotype	IgG
Reactivity	Human
Applications	IHC,WB
Gene Name	KRT6A K6A KRT6D
Protein Name	CK 6A;CK 6B;CK 6C;CK 6D;CK 6E;CK-6B;CK-6C;CK-6E;Cytokeratin 6a;Cytokeratin 6B;Cytokeratin 6C;Cytokeratin 6D;Cytokeratin 6E;Cytokeratin-6B;Cytokeratin-6C;Cytokeratin-6E;K2C6C_HUMAN;K6a keratin;K6b kera
Immunogen	Synthesized peptide derived from human Cytokeratin 6
Specificity	The antibody can specifically recognize human CK6 protein, and shows no cross reaction with CK5. In western blotting of Hela, A431, A549 and HEK293 cell lysates, the antibody can label a 56 kDa band c
Formulation	PBS, pH7.2, 0.03% Porcolin 300, containing stabilizing protein
Source	Monoclonal Mouse IgG2a, Kappa
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:200-400,WB: 500-1000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	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
Observed Band	
Cell Pathway	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
Background	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. As many as six of this type II cytokeratin (KRT6) have been identified; the multiplicity of the genes is attributed to successive gene duplication events. The genes are expressed with family members KRT16 and/or KRT17 in the filiform papillae of the tongue, the stratified epithelial lining of oral mucosa and esophagus, the outer root sheath of hair follicles, and the glandular epithelia. This KRT6 gene in particular encodes the most abundant isoform. Mutations in these genes have been associated with pachyonychia congenita. In addition, peptides from the C-terminal region of the protein have antimicrobial activity against bacterial pathoge
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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



Whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-CK6 (ABT052)antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: A431 Predicted band size: 60kDa Observed band size: 60kDa