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Anti-Cytokeratin 12 Rabbit Monoclonal Antibody

Catalog # ABO16052

Specification

Anti-Cytokeratin 12 Rabbit Monoclonal Antibody - Product Information

Application	**WB, IHC, IF, ICC**
Primary Accession	Q99456
Host	**Rabbit**
Isotype	**IgG**
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**
Format	**Liquid**

Description
Anti-Cytokeratin 12 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.

Anti-Cytokeratin 12 Rabbit Monoclonal Antibody - Additional Information

Gene ID 3859

Other Names
Keratin, type I cytoskeletal 12, Cytokeratin-12, CK-12, Keratin-12, K12, KRT12

Calculated MW
54 kDa KDa

Application Details
WB 1:500-1:2000
IHC 1:50-1:200
ICC/IF 1:50-1:200

Contents
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen
A synthesized peptide derived from human Cytokeratin 12

Purification
Affinity-chromatography

Storage	**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

Anti-Cytokeratin 12 Rabbit Monoclonal Antibody - Protein Information

Name KRT12

Function
Involved in corneal epithelium organization, integrity and corneal keratin expression.

Tissue Location
Expressed in the corneal epithelium (at protein level).

Anti-Cytokeratin 12 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-Cytokeratin 12 Rabbit Monoclonal Antibody - Images

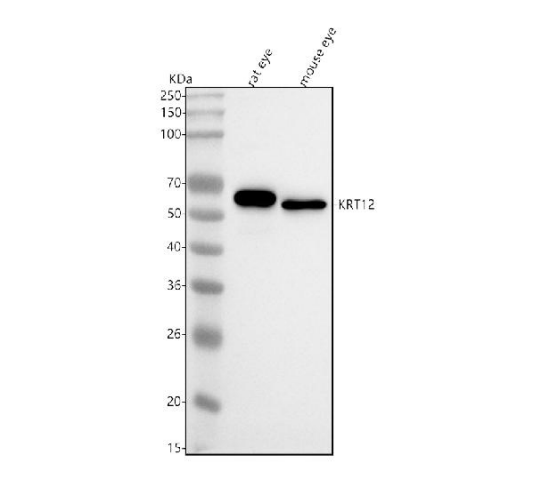

Figure 1. Western blot analysis of KRT12 using anti-KRT12 antibody (M05227).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: rat eye tissue lysates,
Lane 2: mouse eye tissue lysates.
After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-KRT12 antigen affinity purified monoclonal antibody (Catalog # M05227) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for KRT12 at approximately 54 kDa. The expected band size for KRT12 is at 54 kDa.