(KO Validated) Vimentin Polyclonal Antibody

Catalog Number:E-AB-63601

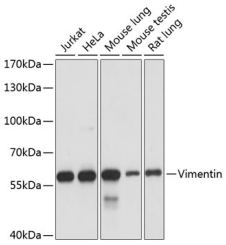
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity	Human,Mouse,Rat
Immunogen	Recombinant fusion protein of human Vimentin (NP_003371.2).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:50-1:200
IF	1:50-1:200

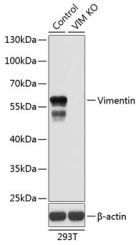
Data



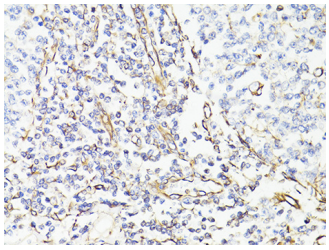
Western blot analysis of extracts of various cell lines using Vimentin Polyclonal Antibody at dilution of 1:1000.

Observed Mw:57 kDa

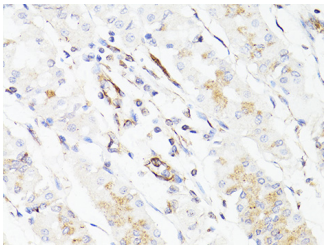
Calculated Mw:53 kDa



Western blot analysis of extracts from normal (control) and Vimentin knockout (KO) 293T cells using Vimentin Polyclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Human tonsil using Vimentin Polyclonal Antibody at dilution of 1:150 (40x lens).



Immunohistochemistry of paraffin-embedded Human stomach using Vimentin Polyclonal Antibody at dilution of 1:150 (40x lens).

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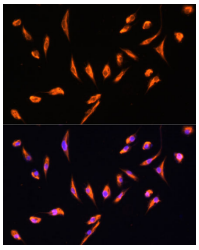

Immunofluorescence analysis of L929 cells using Vimentin Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

Preparation & Storage

Storage	Store at -20°C. Avoid freeze / thaw cycles.

Background

This gene encodes a member of the intermediate filament family. Intermediate filamentents, along with microtubules and actin microfilaments, make up the cytoskeleton. The protein encoded by this gene is responsible for maintaining cell shape, integrity of the cytoplasm, and stabilizing cytoskeletal interactions. It is also involved in the immune response, and controls the transport of low-density lipoprotein (LDL)-derived cholesterol from a lysosome to the site of esterification. It functions as an organizer of a number of critical proteins involved in attachment, migration, and cell signaling. Mutations in this gene causes a dominant, pulverulent cataract.