

Product datasheet for **TA321578**

Vimentin (VIM) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 2000-5000 WB positive control: Hela cell lysate IHC: 50-300 Positive control: Human tonsil Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 96-407 amino acids of Human Vimentin
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	54 kDa
Gene Name:	vimentin
Database Link:	NP_003371 Entrez Gene 22352 Mouse Entrez Gene 81818 Rat Entrez Gene 7431 Human P08670



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Background:

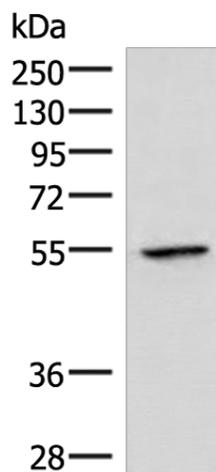
This gene encodes a member of the intermediate filament family. Intermediate filaments; along with microtubules and actin microfilaments; make up the cytoskeleton. The protein encoded by this gene is responsible for maintaining cell shape; integrity of the cytoplasm; and stabilizing cytoskeletal interactions. 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.

Synonyms:

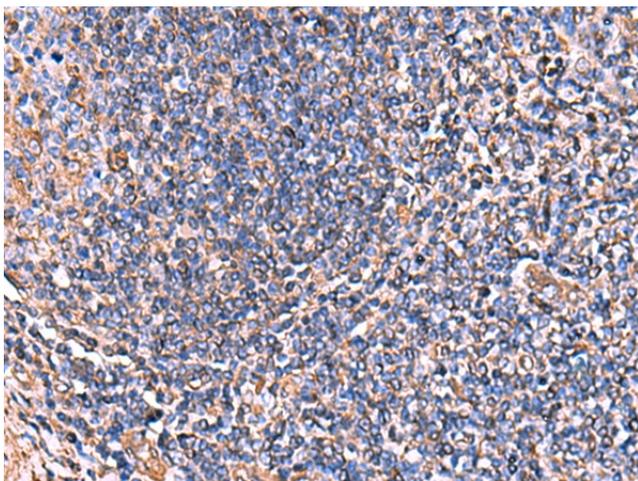
CTRCT30; HEL113

Protein Families:

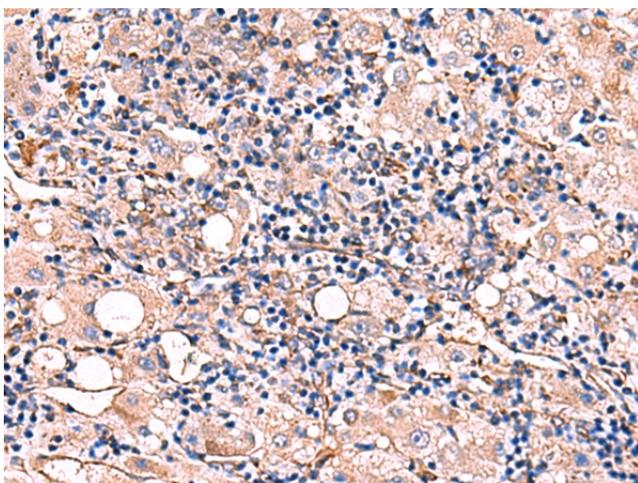
ES Cell Differentiation/IPS

Product images:

Gel: 8%SDS-PAGE
Lysate: 40 µg
Lane: HeLa cell lysate
Primary antibody: TA321578 (VIM Antibody) at dilution 1/4000
Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution
Exposure time: 3 second



Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA321578 (VIM Antibody) at dilution 1/60. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA321578 (VIM Antibody) at dilution 1/60. (Original magnification: x200)