

Product Name: KD-Validated TOE1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00898**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 56.5kDa

Antigen Information

Gene Name	TOE1
Alternative Names	TOE1; Target Of EGR1, Exonuclease; HCaf1z; TOE-1; Target Of EGR1, Member 1 (Nuclear); Target Of EGR1 Protein 1; PCH7
Gene ID	114034.0
SwissProt ID	Q96GM8
Immunogen	A synthesized peptide derived from human TOE1

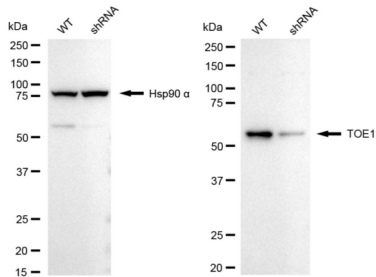
Background

Enables poly(A)-specific ribonuclease activity and snRNA binding activity. Involved in snRNA 3'-end processing. Located in Cajal body and cytoplasm. Implicated in pontocerebellar hypoplasia type 7. [provided by Alliance of Genome Resources, Jul 2025]

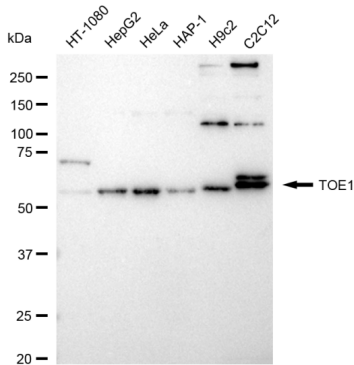
Research Area

Cell Biology

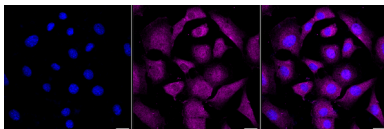
Image Data



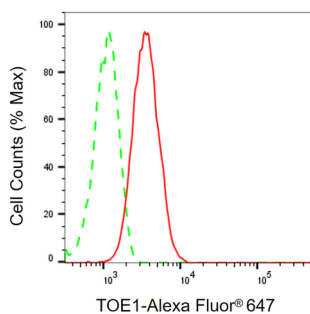
Western blotting analysis using TOE1 antibody (KVA00898). TOE1 expression in wild type (WT) and TOE1 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with TOE1 antibody (KVA00898, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using TOE1 antibody (KVA00898). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with TOE1 antibody (KVA00898, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of C2C12 cells with TOE1 antibody (KVA00898, 1:1,000). Nuclei were stained blue with DAPI; TOE1 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and Smart Gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of TOE1 expression in C2C12 cells using TOE1 antibody (KVA00898, 1:2,000). Green, isotype control; red, TOE1.