

## Anti-VPS35 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 91 kDa. Actual: 91 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	1. Sample: MOLT-4 (Human) Cell Lysate at 30 µg Primary: Anti-VPS35 (TMAB-14138) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 91 kD Observed band size: 91 kD
	2. Sample: Thymus (Mouse) Lysate at 40 µg Primary: Anti-VPS35 (TMAB-14138) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 91 kD Observed band size: 91 kD
	3. Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (VPS35) Polyclonal Antibody, Unconjugated (TMAB-14138) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human VPS35
Antigen Species:	Human
Gene ID:	100133770
Uniprot ID:	Q96QK1

## Research Background

Plays a role in vesicular protein sorting. Required for the endosome-to-Golgi retrieval of the vacuolar protein sorting receptor VPS10. Vacuolar carboxypeptidase Y (CPY) sorting is completely dependent on the presence of functional VPS35. The latter may play a role in the function, modification or packaging of a CPY-specific receptor complex. Component of the membrane-associated retromer complex which is essential in endosome-to-Golgi retrograde

transport. The VPS29-VPS26-VPS35 subcomplex may be involved in cargo selection.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481