

## Anti-ALK-1 Antibody (3T59)

### Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	3T59
Purification:	Protein A

### Applications

Verified Activity:	<p>1. ALK1 was immunoprecipitated using:</p> <ul style="list-style-type: none"><li>-Lane A:0.5 mg MCF-7 Whole Cell Lysate.</li><li>-Lane B:0.5 mg K562 Whole Cell Lysate.</li><li>-2 <math>\mu</math>L anti-ALK1 rabbit monoclonal antibody and 15 <math>\mu</math>L of 50 % Protein G agarose.</li><li>-Primary antibody:</li><li>-Anti-ALK1 rabbit monoclonal antibody, at 1:100 dilution.</li><li>-Secondary antibody:</li><li>-Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution.</li><li>-Developed using the odyssey technique.</li><li>-Performed under reducing conditions.</li><li>-Predicted band size: 56 kDa.</li><li>-Observed band size: 56 kDa.</li></ul> <p>2. Anti-ALK1 rabbit monoclonal antibody at 1:500 dilution.</p> <ul style="list-style-type: none"><li>-Lane A: MCF7 Whole Cell Lysate.</li><li>-Lane B: K562 Whole Cell lysate.</li><li>-Lysates/proteins at 30 <math>\mu</math>g per lane.</li><li>-Secondary</li><li>-Goat Anti-Rabbit IgG H&amp;L (Dylight800) at 1/10000 dilution.</li><li>-Developed using the Odyssey technique.</li><li>-Performed under reducing conditions.</li><li>-Predicted band size:56 kDa.</li><li>-Observed band size:41 kDa</li></ul>
Application:	IP,WB
Recommended	WB: 1:500-1:2000; IP: 1-4 $\mu$ L/mg of lysate

### 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. Preservative-Free.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen: Recombinant Protein: Human ALK-1 / ACVRL1 protein (TMPY-01168)

Antigen Species: Human

Synonyms: activin A receptor type II-like 1;ACVRL1

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### Research Background

Activin A receptor, type II-like 1 (ACVRL1), also known as ALK-1 (activin receptor-like kinase 1), is an endothelial-specific type I receptor of the TGF-beta (transforming growth factor beta) receptor family of ligands. On ligand binding, a heteromeric receptor complex forms consisting of two type II and two type I transmembrane serine/threonine kinases. ACVRL1 protein is expressed in certain blood vessels of kidney, spleen, heart and intestine, serving as an important role during vascular development. Mutations in ACVRL1 gene are associated with hemorrhagic telangiectasia type 2, also known as Rendu-Osler-Weber syndrome 2 and vascular disease.

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

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