

11-7528: Polyclonal Antibody to ALK1

Clonality :	Polyclonal
Application :	WB
Reactivity :	Human
Gene :	ACVRL1
Gene ID :	94
Uniprot ID :	P37023
Format :	Purified
Alternative Name :	ACVRL1,ACVRLK1,ALK1
Isotype :	Rabbit IgG
Immunogen Information :	A partial length recombinant ALK-1 protein (amino acids 326-503) was used as the immunogen for this antibody

Description

ALK-1 or Activin receptor-like kinase-1 is a type I cell surface receptor for the TGF-beta (transforming growth factor-beta) super family of proteins. It is expressed predominantly in endothelial cells with moderate expression in smooth muscle cells, myofibroblast, hepatic stellate cells, chondrocytes, monocytes, myoblasts, macrophages and fibroblasts. ALK-1 plays a pivotal role in vascular remodelling and angiogenesis. More specifically its key function is in arterial/venous differentiation during embryonic vascular development. Mutations in ALK-1 gene (12q11-14) causes HHT2 (Hereditary Haemorrhagic Telangiectasia type 2), an autosomal dominant multisystem vascular dysplasia caused by a haploinsufficiency mechanism.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein A Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western blot analysis: 4-6 µg/ml

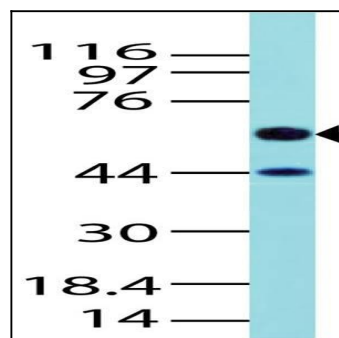


Fig-1: Western blot analysis of ALK1. Anti-ALK1 antibody (11-7528) was used at 4 µg/ml on Jurkat lysate.