

11-7528: Polyclonal Antibody to ALK1

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| 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

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| 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

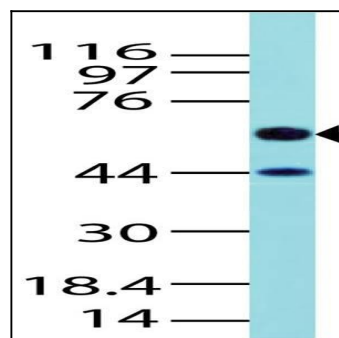


Fig-1: Western blot analysis of ALK1. Anti-ALK1 antibody (11-7528) was used at 4 µg/ml on Jurkat lysate.