ABGENEX Pvt. Ltd., E-5, Infocity, KIIT Post Office, Tel: +91-674-2720712, +91-9437550560 Email: info@abgenex.com Bhubaneswar, Odisha - 751024, INDIA

## 10-7542: Monoclonal Antibody to ALK-1 (Clone: ABM43C4)

Clonality: Monoclonal
Clone Name: ABM43C4
Application: IHC,WB
Reactivity: Human
Gene: ACVRL1
Gene ID: 94
Uniprot ID: P37023

Alternative Name : ACVRL1,ACVRLK1,ALK1 Isotype : Mouse IgG1 Kappa

Immunogen Information: A partial length recombinant ALK-1 protein (amino acids 310-503) was used as the immunogen for

this antibody

Purified

## **Description**

Format:

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 G Chromatography

Content :  $25 \mu g$  in 50  $\mu$ l/100  $\mu g$  in 200  $\mu$ l PBS containing 0.05% BSA and 0.05% sodium azide. Sodium

azide is highly toxic.

Storage condition:

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: 2-4 µg/ml, Immunohistochemical analysis: 1 µg/ml

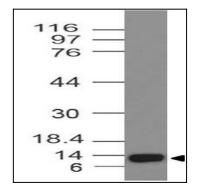


Fig-1: Western blot analysis of ALK-1. Anti- ALK-1 antibody (Clone: ABM43C4) was tested at 0.5  $\mu$ g/ml on partial recombinant protein.



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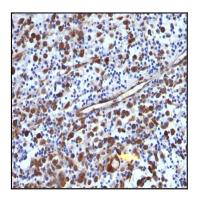


Fig-2 : Immunohistochemical analysis of ALK-1  $\,$  in human lymphoma using ALK-1 antibody (Clone: ABM43C4) at 1  $\mu g/ml.$