

## Mouse Monoclonal Antibody to ALK

<b>Catalogue Number</b>	sAP-1414
<b>Target Molecule</b>	<p><b>Name:</b> ALK</p> <p><b>Aliases:</b> ACDC; ADPN; APM1; APM-1; GBP28; ACRP30; ADIPQTL1</p> <p><b>MW:</b> 26.4kDa</p> <p><b>Entrez Gene ID:</b> 9370</p>
<b>Description</b>	<p>This gene encodes a receptor tyrosine kinase, which belongs to the insulin receptor superfamily. This protein comprises an extracellular domain, an hydrophobic stretch corresponding to a single pass transmembrane region, and an intracellular kinase domain. It plays an important role in the development of the brain and exerts its effects on specific neurons in the nervous system. This gene has been found to be rearranged, mutated, or amplified in a series of tumours including anaplastic large cell lymphomas, neuroblastoma, and non-small cell lung cancer. The chromosomal rearrangements are the most common genetic alterations in this gene, which result in creation of multiple fusion genes in tumourigenesis, including ALK (chromosome 2)/EML4 (chromosome 2), ALK/RANBP2 (chromosome 2), ALK/ATIC (chromosome 2), ALK/</p>
<b>Immunogen</b>	Purified recombinant fragment of human ALK (AA: 1366-1468) expressed in E. Coli.
<b>Reactive Species</b>	Human;
<b>Clone</b>	MM7A11A4;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: ; ICC: 1 to 50 - 1 to 250; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1.Nature. 2015 Oct 15;526(7573):453-7. ; 2.Breast Cancer Res. 2015 Sep 17;17:127.;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**