

OAZ1 Rabbit Polyclonal Antibody

Catalog No: #55218

Package Size: #55218-1 50ul #55218-2 100ul

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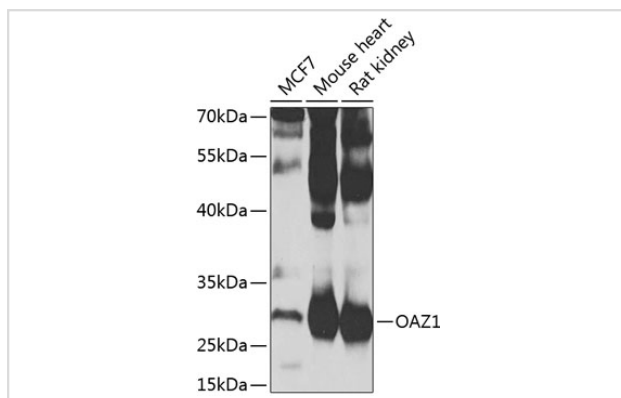
Description

Product Name	OAZ1 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human OAZ1 (NP_004143.1).
Other Names	OAZ1;AZ1;AZI;OAZ
Accession No.	Uniprot:P54368GenelD:4946
Calculated MW	25kDa
SDS-PAGE MW	27kDa
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

Application Details

WB □ 1:500 - 1:2000

Images



Western blot analysis of extracts of various cell lines, using OAZ1 antibody.

Background

The protein encoded by this gene belongs to the ornithine decarboxylase antizyme family, which plays a role in cell growth and proliferation by regulating intracellular polyamine levels. Expression of antizymes requires +1 ribosomal frameshifting, which is enhanced by high levels of polyamines. Antizymes in turn bind to and inhibit ornithine decarboxylase (ODC), the key enzyme in polyamine biosynthesis; thus, completing the auto-regulatory circuit. This gene encodes antizyme 1, the first member of the antizyme family, that has broad tissue distribution, and negatively regulates intracellular polyamine levels by binding to and targeting ODC for degradation, as well as inhibiting polyamine uptake. Antizyme 1 mRNA contains two potential in-frame AUGs; and studies in rat suggest that alternative use of the two translation initiation sites results in N-terminally distinct protein isoforms with

different subcellular localization. Alternatively spliced transcript variants have also been noted for this gene.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.