

Product Datasheet

Aconitase 1 (Phospho-S138) Rabbit Polyclonal Antibody (orb665508)

Catalog Number	orb665508
Category	Antibodies
Description	The Aconitase 1 (Phospho-S138) Antibody is suitable for IF, IHC, WB. It is a Polyclonal, Unconjugated antibody which raised against KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S138 of human Aconitase 1 protein. The exact sequence is proprietary. Purification: The antibody was purified by immunogen affinity chromatography.
Target	ACO1
Clonality	Polyclonal
Species/Host	Rabbit
Conjugation	Unconjugated
Reactivity	Human, Mouse, Rat
Form/Appearance	Liquid
Buffer/Preservatives	0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purification	The antibody was purified by immunogen affinity chromatography.
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S138 of human Aconitase 1 protein. The exact sequence is proprietary.
UniProt ID	P28271, Q63270, P21399

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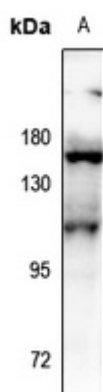
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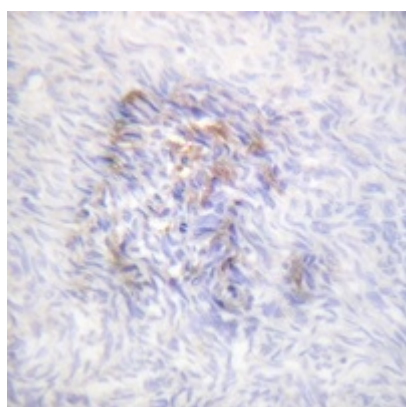
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Tested applications	IF, IHC, WB
Dilution range	WB: 1-500-1000, IHC-P: 1-50-200, IF: 1-100-500
Specificity	Recognizes endogenous levels of Aconitase 1 protein only when phosphorylated at S138.
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Entrez	11428, 48, 50655
Expiration Date	12 months from date of receipt.



Western blot analysis of Aconitase 1 (Phospho-S138) expression in Hela (A) whole cell lysates. (Predicted band size: 98 kD; Observed band size: 100 kD)



Immunohistochemical analysis of Aconitase 1 (Phospho-S138) staining in human ovary formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (Phospho-H 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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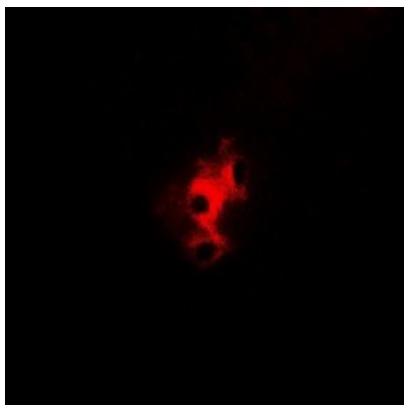
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Immunofluorescent analysis of Aconitase 1 (Phospho-S138) staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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