Product Datasheet

ASK1 (Phospho-S83) Rabbit Polyclonal Antibody (orb315596)

Catalog Number	orb315596
Category	Antibodies
Description	The ASK1 (Phospho-S83) Antibody is suitable for IF, IHC, WB. It is a Polyclonal, Unconjugated antibody which raised against KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S83 of human ASK1 protein. The exact sequence is proprietary. Purification: The antibody was purified by immunogen affinity chromatography.
Target	MAP3K5
Clonality	Polyclonal
Species/Host	Rabbit
Conjugation	Unconjugated
Reactivity	Bovine, 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 S83 of human ASK1 protein. The exact sequence is proprietary.
UniProt ID	Q99683, O35099
Tested applications	IF, IHC, WB

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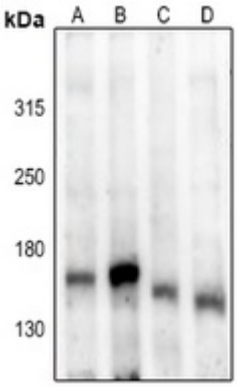
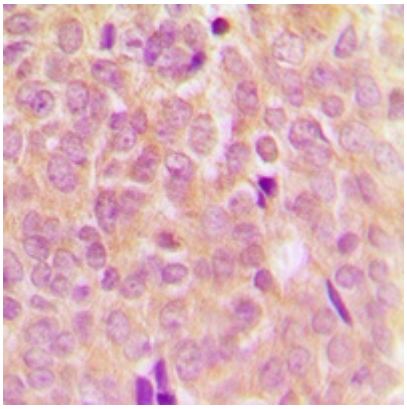
Dilution range	WB: 1-500:1000, IHC-P: 1-100:200
Specificity	Recognizes endogenous levels of ASK1 protein only when phosphorylated at S83.
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Entrez	**4217**, **26408**
Expiration Date	12 months from date of receipt.



Western blot analysis of ASK1 (Phospho-S83) expression in Panc1 (A), H1792 (B), H9C2 (C), CT26 (D) whole cell lysates. (Predicted band size: 154 kD; Observed band size: 155 kD)



Immunohistochemical analysis of ASK1 (Phospho-S83) staining in human breast cancer 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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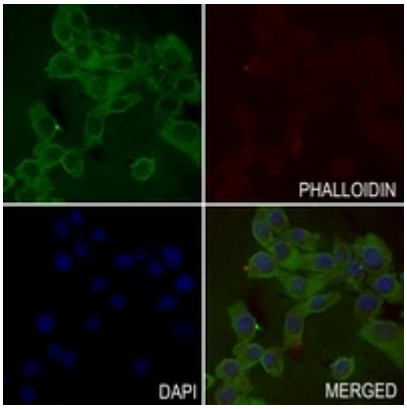
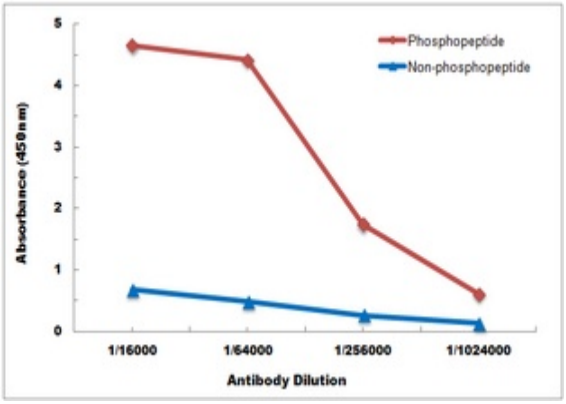


Immunofluorescent analysis of ASK1 (Phospho-S83) staining in LS8 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Direct ELISA antibody dose-response curve using Anti-ASK1 (Phospho-S83) Antibody. Antigen (Phosphopeptide and non-phosphopeptide) concentration is 5 ug/ml. Goat Anti-Rabbit IgG (H&L) - HRP was used as the secondary antibody, and signal was developed by TMB substrate.

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