

MEK1 Polyclonal Antibody

Product Details	
Size	500 µL
Species Reactivity	Human, Mouse, Rat, Xenopus
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A synthetic peptide derived from the N-terminus of human Mek1 protein
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_10983180

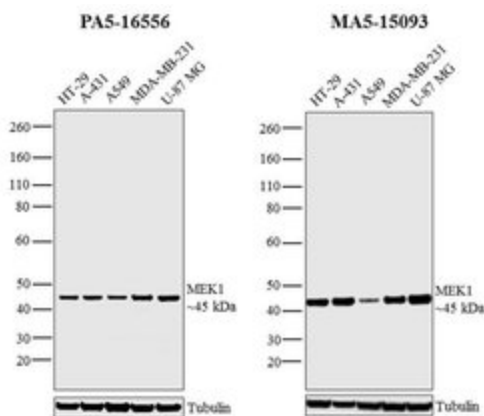
Applications	Tested Dilution	Publications
Western Blot (WB)	1 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	1:20	-
Immunocytochemistry (ICC/IF)	5 µg/mL	-

Product Specific Information

PA5-16556 targets MEK-1 in WB applications and shows reactivity with mouse, Rat, Xn, and Human samples.

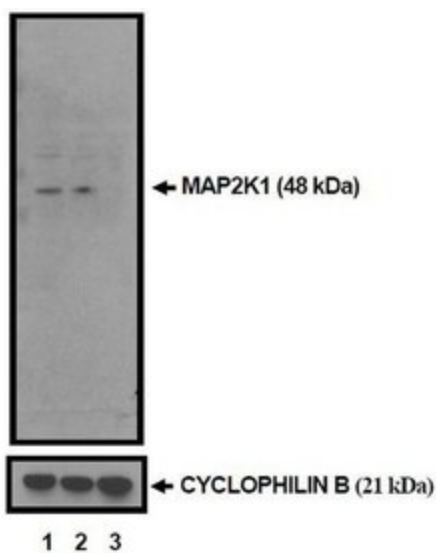
The PA5-16556 immunogen is a synthetic peptide derived from the N-terminus of human Mek1 protein.

Advanced Verification Data



MEK1 Antibody (PA5-16556)

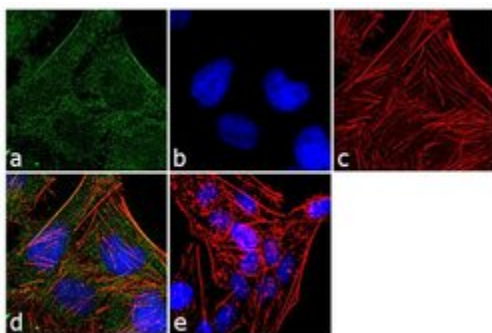
Antibody specificity was demonstrated by showing that antibodies raised against the same target protein perform similarly. Western blot of MEK1 using Anti-MEK1 Rabbit Polyclonal Antibody (Product # PA5-16556), tested in parallel with MEK1 Monoclonal Antibody (Product # MA5-15093), shows similar expression of MEK1 in the cell lines tested. Independent antibody validation info.



MEK1 Antibody (PA5-16556)

The specificity of anti-MAP2K1 rabbit polyclonal antibody (Product # PA5-16556) was demonstrated by siRNA knockdown. Western blot analysis of A549 cells extracts using this antibody showed decreased level of MAP2K1 protein expression in cells transfected with MAP2K1 specific siRNA (lane 3) but not in controls (lane 1 and 2). Knockdown validation info.

Product Images For MEK1 Polyclonal Antibody



MEK1 Antibody (PA5-16556) in ICC/IF

Immunofluorescence analysis of MEK1/MAP2K1 was performed using 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with MEK1/MAP2K1 Rabbit Polyclonal Antibody (Product # PA5-16556) at 2 µg/mL in 0.1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Alexa Fluor® 555 Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing punctated cytoplasmic and nuclear localization. Panel e shows the no primary antibody control. The images were captured at 60X magnification.

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