

MEK3 Recombinant Polyclonal Antibody (1HCLC)

Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotope	Rabbit / IgG
Class	Recombinant Polyclonal
Type	Antibody
Clone	1HCLC
Conjugate	Unconjugated
Immunogen	Peptides corresponding to Human MAP2K3 (aa 16-28, 329-346)
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.09% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2633143

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC)	2 µg/mL	-
Immunofluorescence (IF)	2 µg/mL	-
Western Blot (WB)	1-2 µg/mL	-

Product Specific Information

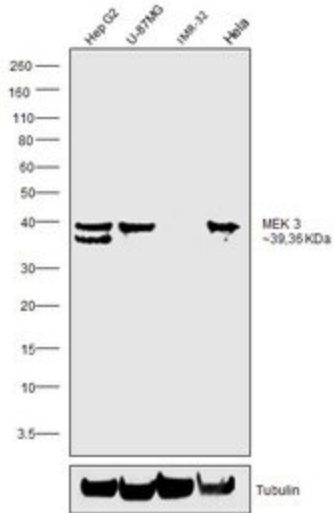
This antibody is predicted to react with Monkey, Dog, Cat and Mouse.

Recombinant rabbit polyclonal antibodies are unique offerings from Thermo Fisher Scientific. They are comprised of a selection of multiple different recombinant monoclonal antibodies, providing the best of both worlds - the sensitivity of polyclonal antibodies with the specificity of monoclonal antibodies - all delivered with the consistency only found in a recombinant antibody. While functionally the same as a polyclonal antibody - recognizing multiple epitope sites on the target and producing higher detection sensitivity for low abundance targets - a recombinant rabbit polyclonal antibody has a known mixture of light and heavy chains. The exact population can be produced in every lot, circumventing the biological variability typically associated with polyclonal antibody production.

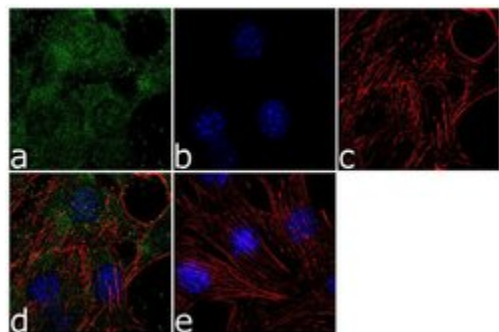
Advanced Verification Data

MEK3 Antibody (711257)

Antibody specificity was demonstrated by detection of differential basal expression of the target across tissue tested owing to their inherent genetic constitution. Relative expression of MEK3 was observed in Hep G2 ,U-87 MG and HeLa in comparison as Low to no expression in IMR-32 using anti- MEK3 Polyclonal Antibody (Product # 711257) in Western Blot. Relative expression validation info.



Product Images For MEK3 Recombinant Polyclonal Antibody (1HCLC)

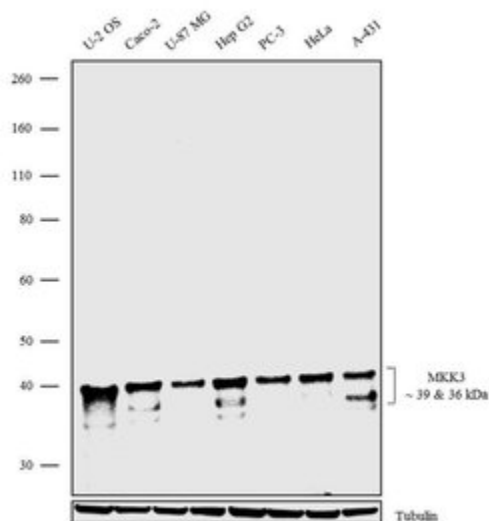


MEK3 Antibody (711257) in IF

For immunofluorescence analysis, C2C12 cells were fixed and permeabilized for detection of endogenous MKK3 using MKK3 Recombinant Rabbit Polyclonal Antibody (Product # 711257, 2 µg/mL) and labeled with Goat anti-Rabbit IgG (H+L) Superclonal Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034, 1:2000). Panel a) shows representative cells that were stained for detection and localization of MKK3 protein (green), Panel b) is stained for nuclei (blue) using SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). Panel c) represents cytoskeletal F-actin staining using Alexa Fluor® 555 Rhodamine Phalloidin (Product # R415, 1:300). Panel d) is a composite image of Panels a, b and c clearly demonstrating cytoplasmic localization of MKK3. Panel e) represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.

MEK3 Antibody (711257) in WB

Western blot analysis was performed on Whole cell extracts (30 µg lysate) of U-2 OS (Lane 1), Caco-2 (Lane 2), U-87 MG (Lane 3), Hep G2 (Lane 4), PC-3 (Lane 5), HeLa (Lane 6) and A-431 (Lane 7). The blots were probed with Anti-MKK3 Recombinant Rabbit Polyclonal Antibody (Product # 711257, 1-2 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (H+L) Superclonal Secondary Antibody, HRP conjugate (Product # A27036, 0.4 µg/mL, 1:2500 dilution). Two isoforms of 39 kDa and 36 kDa band corresponding to MKK3 was observed across the cell lines tested. Known quantity of protein samples were electrophoresed using Novex®NuPAGE®4-12% Bis-Tris gel (Product # NP0321BOX), XCell SureLock Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5% skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western blotting Substrate (Product # 32106).



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