

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human p38δ. Mouse and rat p38δ reactivity has not been demonstrated but is likely due to their high homology with human p38δ. This antibody does not detect recombinant p38α, p38β or p38γ in Western blots.
Source	Polyclonal Rabbit IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human p38δ Accession # Q15759
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

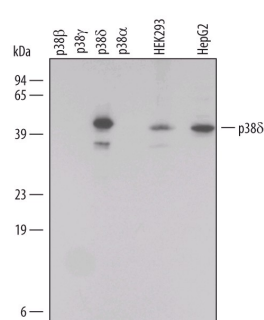
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	0.1 μg/mL	See Below
Immunohistochemistry	5-15 μg/mL	See Below

DATA

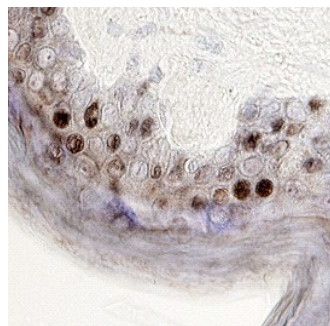
Western Blot



Detection of Human p38δ by Western Blot.

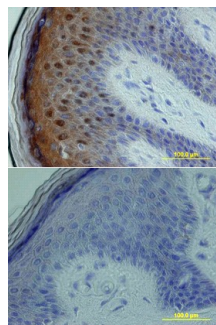
Western blot shows lysates of HEK293 human embryonic kidney cell line and HepG2 human hepatocellular carcinoma cell line. PVDF membrane was probed with 0.1 μg/mL Rabbit Anti-Human p38δ Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1519) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). For additional reference, recombinant p38β, p38γ, p38δ, and p38α at 2 ng/lane were included. A specific band for p38 delta was detected at approximately 42 kDa (as indicated). This experiment was conducted under reducing conditions and using [Immunoblot Buffer Group 1](#).

Immunohistochemistry



p38δ in Human Skin. p38δ was detected in immersion fixed paraffin-embedded sections of human skin using 15 μg/mL Rabbit Anti-Human p38δ Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1519) overnight at 4 °C. Tissue was stained with the Anti-Rabbit HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS005) and counterstained with hematoxylin (blue). View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

Immunohistochemistry



p38δ in Human Skin. p38δ was detected in immersion fixed paraffin-embedded sections of human skin using Rabbit Anti-Human p38δ Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1519) at 15 μg/mL overnight at 4 °C. Tissue was stained using the Anti-Rabbit HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS005) and counterstained with hematoxylin (blue). Lower panel shows a lack of labeling if primary antibodies are omitted and tissue is stained only with secondary antibody followed by incubation with detection reagents. View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.