

PRAS40 Recombinant Polyclonal Antibody (4HCLC)

Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotope	Rabbit / IgG
Class	Recombinant Polyclonal
Type	Antibody
Clone	4HCLC
Conjugate	Unconjugated
Immunogen	Recombinant protein corresponding to amino acids 2–256 of PRAS40
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS
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_2532548

Applications	Tested	Dilution	Published
Western Blot (WB)	✓	1:100-1:1000	

Product Specific Information

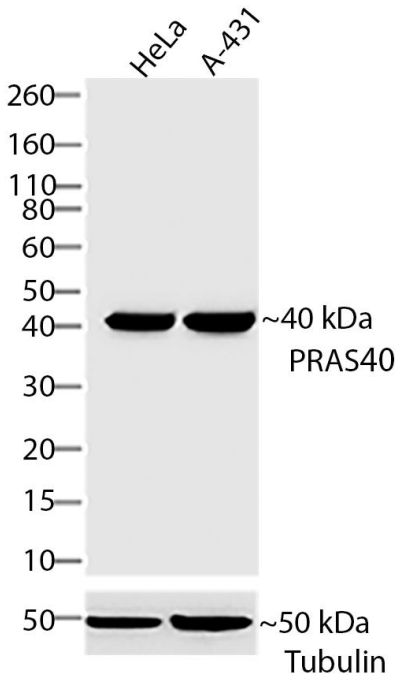
Intact IgG appears on a non-reducing gel as ~150 kDa band and upon reduction generating a ~25 kDa light chain band and a ~50 kDa heavy chain.

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.

Product Images For PRAS40 Recombinant Polyclonal Antibody (4HCLC)

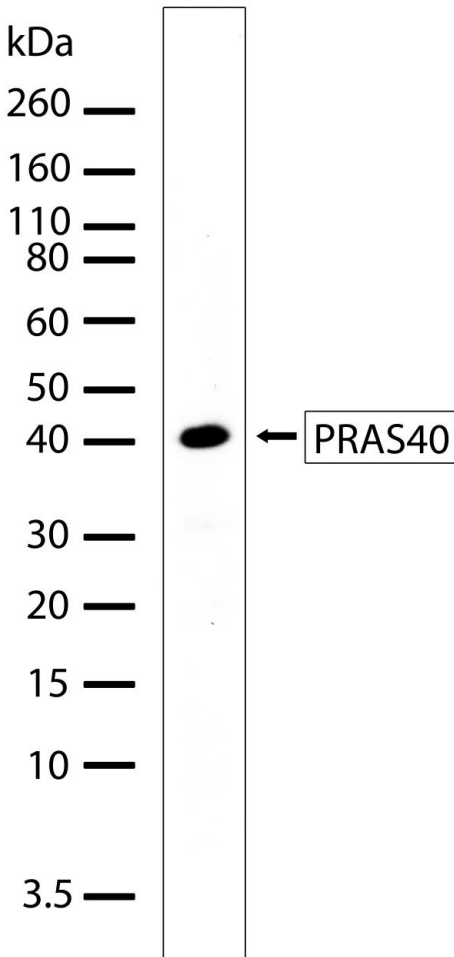
PRAS40 Antibody (710079) in WB

Western blot analysis of PRAS40 was performed by loading 30 µg of HeLa and A431 cell lysates using Novex®NuPAGE® 4-12% Bis-Tris gel (Product # NP0321BOX), XCell SureLock Electrophoresis System (Product # EI0002), Novex® Sharp Pre-Stained Protein Standard (Product # LC5800), and iBlot® Dry Blotting System (Product # IB21001). Proteins were transferred to a nitrocellulose membrane and blocked with 5% skim milk for 1 hour at room temperature. PRAS40 was detected at ~40 kDa using PRAS40 Recombinant Rabbit Polyclonal Antibody (Product # 710079) at a 1:500 dilution in 2.5% skim milk at 4°C overnight on a rocking platform. Detection was performed using an HRP-conjugated Goat anti-Rabbit secondary antibody (Product # G-21234) at a 1:5000 dilution and chemiluminescent detection was performed using Pierce™ ECL Western blotting Substrate (Product # 32106).



PRAS40 Antibody (710079) in WB

Western blot analysis of AKT1S1 in A431 whole cell extract (80 µg) using an AKT1S1 Recombinant Rabbit Polyclonal Antibody (Product # 710079) at a dilution of 5 µg/mL. Detection was performed using an HRP-conjugated Goat anti-Rabbit secondary antibody at a dilution of 1:5000 followed by chemiluminescence (ECL). Results show a band at ~40 kDa.



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