

DDR2 Polyclonal Antibody

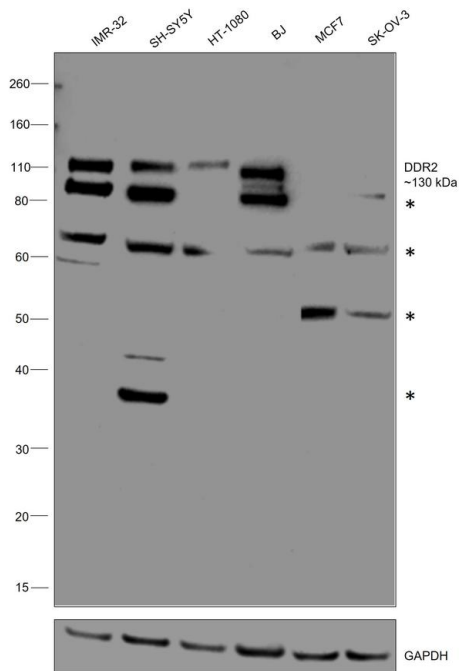
Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	E.coli-derived human DDR2 recombinant protein (Position: T801-E855).
Form	Lyophilized
Concentration	500 µg/mL
Purification	Affinity chromatography
Storage buffer	PBS with 4mg trehalose
Contains	0.05mg sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2807353

Applications	Tested Dilution	Publications
Western Blot (WB)	0.1-0.5 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	0.5-1 µg/mL	-
ELISA (ELISA)	0.1-0.5 µg/mL	-

Product Specific Information

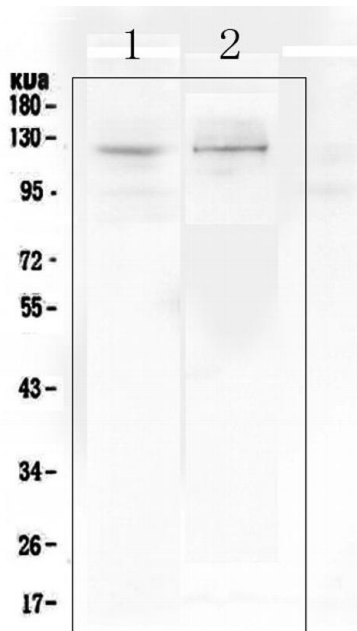
Reconstitute with 0.2 mL of distilled water to yield a concentration of 500 µg/mL.

Product Images For DDR2 Polyclonal Antibody



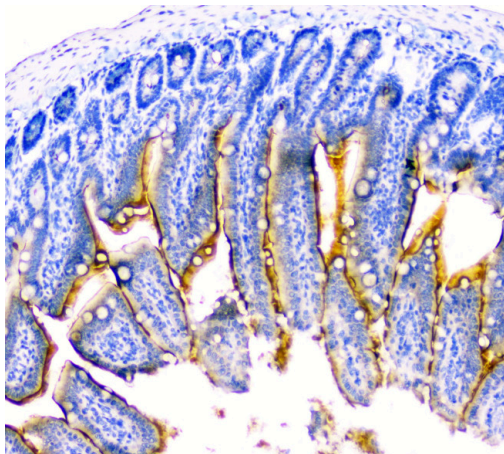
DDR2 Antibody (PA5-95551) in WB

Western blot was performed using Anti-DDR2 Polyclonal Antibody (Product # PA5-95551) and a 130 kDa band corresponding to Ddr2 was observed in IMR-32, SH-SY5Y, HT-1080 and BJ, which are reported to be positive cell models for Ddr2 but not in MCF7 and SK-OV-3, which are negative cell models. Membrane enriched extracts (30 µg lysate) of IMR-32 (Lane 1), SH-SY5Y (Lane 2), HT-1080 (Lane 3), BJ (Lane 4), MCF7 (Lane 5) and SK-OV-3 (Lane 6) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1,000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:20,000 dilution) using the iBright™ FL1500 Imaging System (Product # A44115). Chemiluminescent detection was performed using SuperSignal™ West Dura Extended Duration Substrate (Product # 34076). An uncharacterized band (*) at ~70 kDa was observed in all cell models and other uncharacterized bands (*) were observed at ~100, 55 and 38 kDa in some cell models.



DDR2 Antibody (PA5-95551) in WB

Western blot analysis of DDR2 in Lane 1: rat kidney tissue lysates, Lane 2: mouse kidney tissue lysates. Electrophoresis was performed with 5-20% SDS-PAGE gel (70V, Stacking gel; 90V Resolving gel, Time: 2-3 hours), transferred to a nitrocellulose membrane and blocked using 5% Non-fat Milk/TBS (1.5 hrs at room temperature). Samples were incubated with DDR2 polyclonal antibody (Product # PA5-95551) using a 0.5 µg/mL dilution, followed by a goat anti-rabbit IgG-HRP at a dilution of 1:10,000, and developed with enhanced chemiluminescence (ECL).



DDR2 Antibody (PA5-95551) in IHC (P)

Immunohistochemistry analysis of DDR2 in paraffin-embedded mouse small intestine tissue. Antigen retrieval was performed on the tissue using citrate buffer (pH 6, 20 min) and blocked with 10% goat serum. Samples were incubated with DDR2 polyclonal antibody (Product # PA5-95551) at a 2 µg/mL dilution, followed by biotinylated goat anti-rabbit IgG (30 min, 37°C), and developed with Streptavidin-Biotin-Complex and DAB.

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