AS160 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Peptides corresponding to Human TBC1D4 (aa 183-199, 936-954)
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.4, with 0.1% BSA, 30% glycerol
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_2633249

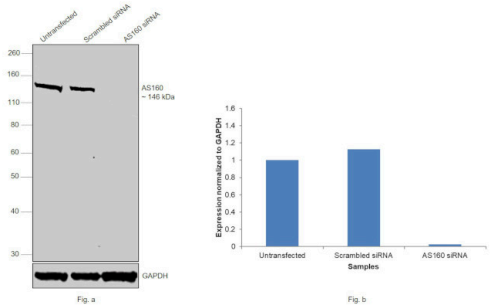
Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	-
Immunocytochemistry (ICC/IF)	2 µg/mL	-

Product Specific Information

These Polyclonal antibodies are of rabbit origin developed by immunizing animals with proteins or peptides. The polyclonal antibody is purified by affinity purification from the rabbit sera generated after immunizing the rabbits with a specific type of protein or peptide. The purified antibody is tested for its functionality in various relevant research applications. The antibody is developed for Research Use Only and is non-hazardous or non-infectious in nature.

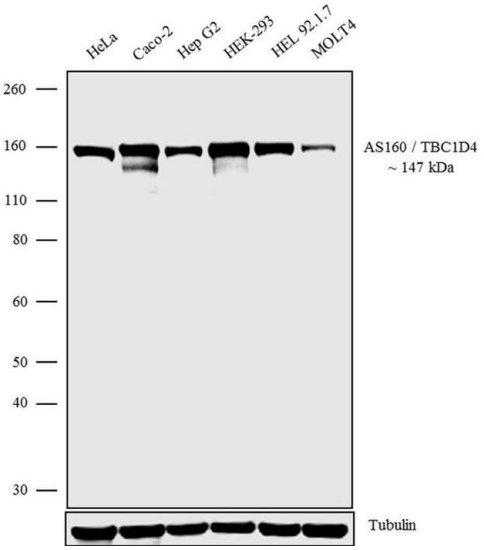
This antibody is predicted to react with Horse, Dog and Cat

Product Images For AS160 Polyclonal Antibody



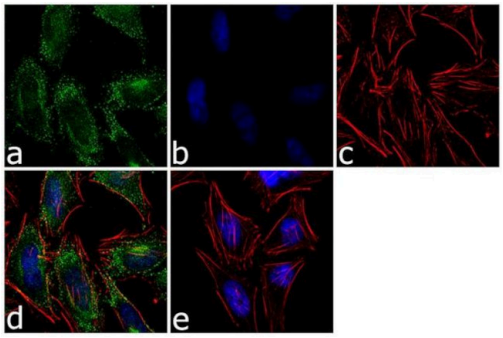
AS160 Antibody (720304)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. Caco-2 cells were transfected with AS160 siRNA and decrease in signal intensity was observed in western blot application using Anti-AS160 Polyclonal Antibody (Product # 720304). {KD}



AS160 Antibody (720304) in WB

Western blot analysis was performed on Whole cell extracts (30 µg lysate) of HeLa (Lane 1), Caco-2 (Lane 2), Hep G2 (Lane 3) HEK-293 (Lane 4), HEL 92.1.7 (Lane 5) and MOLT4 (Lane 6). The blots were probed with Anti-AS160 /TBC1D4 Rabbit Polyclonal Antibody (Product # 720304, 1-2 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.4 µg /mL, 1:2500 dilution). A 147 kDa band corresponding to AS160/TBC1D4 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 by wet transfer method. 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).



AS160 Antibody (720304) in ICC/IF

For immunofluorescence analysis, HeLa cells were fixed and permeabilized for detection of endogenous AS160 using anti- AS160/TBC1D4 Rabbit Polyclonal Antibody (Product # 720304, 2µg/mL) and labeled with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034, 1:2000). Panel a) shows representative cells that were stained for detection and localization of AS160 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 AS160. Panel e) represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.

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