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Anti-ARRDC1 Antibody

Catalog # AP50997

Product Information

Application	WB, IF/IC
Primary Accession	Q8N5I2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45981

Additional Information

Gene ID	92714
Other Names	Arrestin domain-containing protein 1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ARRDC1. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

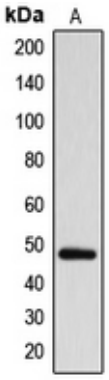
Protein Information

Name	ARRDC1 (HGNC:28633)
Function	Functions as an adapter recruiting ubiquitin-protein ligases to their specific substrates (PubMed:23886940, PubMed:27462458). Through an ubiquitination-dependent mechanism plays for instance a role in the incorporation of SLC11A2 into extracellular vesicles (PubMed:27462458). More generally, plays a role in the extracellular transport of proteins between cells through the release in the extracellular space of microvesicles (PubMed:22315426). By participating in the ITCH-mediated ubiquitination and subsequent degradation of NOTCH1, negatively regulates the NOTCH signaling pathway (PubMed:23886940).
Cellular Location	Cell membrane. Note=Also found in extracellular vesicles different from exosomes.

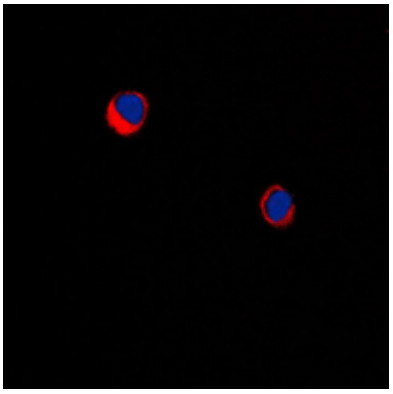
References

Humphray S.J.,et al.Nature 429:369-374(2004).

Images



Western blot analysis of ARRDC1 expression in MDAMB231 (A) whole cell lysates. (Predicted band size: 45 kD; Observed band size: 46 kD)



Immunofluorescent analysis of ARRDC1 staining in MDAMB231 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.