

14-3-3 ε Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50745**Specification**

14-3-3 ε Antibody - Product Information

Application	WB
Primary Accession	P62258
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29,27 KDa
Antigen Region	230-254

14-3-3 ε Antibody - Additional Information**Gene ID** 7531**Other Names**

14-3-3 protein epsilon, 14-3-3E, YWHAE

Dilution

WB~~1:1000

FormatRabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.**Storage Conditions**

-20°C

14-3-3 ε Antibody - Protein Information**Name** YWHAE**Function**

Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways (PubMed:21189250). Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif (PubMed:35343654). Binding generally results in the modulation of the activity of the binding partner (By similarity). Positively regulates phosphorylated protein HSF1 nuclear export to the cytoplasm (PubMed:12917326). Plays a positive role in the antiviral signaling pathway upstream of TBK1 via interaction with RIGI (PubMed:37555661). Mechanistically, directs RIGI redistribution from the cytosol to mitochondrial associated membranes where it mediates MAVS-dependent innate immune signaling during viral infection

(PubMed:22607805). Plays a role in proliferation inhibition and cell cycle arrest by exporting HNRNPC from the nucleus to the cytoplasm to be degraded by ubiquitination (PubMed:37599448).

Cellular Location

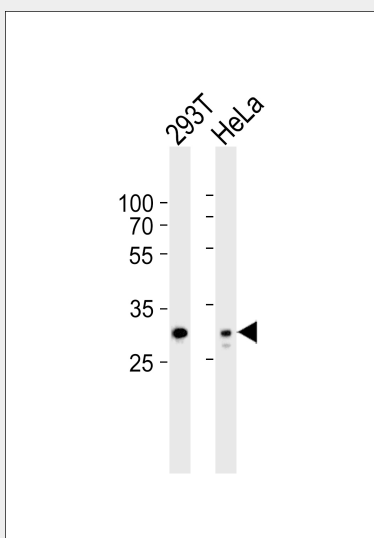
Nucleus. Cytoplasm Melanosome Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

14-3-3 ϵ Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

14-3-3 ϵ Antibody - Images



Western blot analysis of lysates from 293T, HeLa cell line (from left to right), using 14-3-3 ϵ Antibody (AP50745). AP50745 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 μ g per lane.

14-3-3 ϵ Antibody - Background

Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways. Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif. Binding generally results in the modulation of the activity of the binding partner.

14-3-3 ϵ Antibody - References

Conklin D.S.,et al.Proc. Natl. Acad. Sci. U.S.A. 92:7892-7896(1995).
Chong S.S.,et al.Genome Res. 6:735-741(1996).
Jin D.-Y.,et al.Nature 382:308-308(1996).
Han D.,et al.Biochem. Biophys. Res. Commun. 396:401-406(2010).
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