



TRAF6 Rabbit Polyclonal Antibody

Catalog #: EAB14062

Host/Isotype	Clonality	Applications	MW (kDa)	Reactivity
Rabbit IgG	Polyclonal	WB, IHC-P, IF, ELISA	60	Human, Mouse, Rat

Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

WB (Western Blotting)	1:500-2000
IHC-P (Immunohistochemistry-Paraffin)	1:50-300
IF (Immunofluorescence)	1:50-300
ELISA (Enzyme-linked Immunosorbent Assay)	1:5000-20000

Product Information

Conjugate	Unconjugate
Specificity	TRAF6 Rabbit Polyclonal Antibody detects endogenous levels of TRAF6 protein.
Purification	Affinity purification
Concentration	1mg/ml
Format	Liquid
Formulation	In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol.
Shipping	Gel Pack
Storage	Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks.
UniProt ID	Q9Y4K3
Entrez-Gene ID	7189

Product Description

TRAF6(TNF receptor associated factor 6) is a member of the TNF receptor associated factor (TRAF) protein family. TRAF plays a critical role in regulating adaptive immunity, innate immunity, and bone metabolism, making TRAF6 essential for maintaining immune homeostasis and skeletal integrity. As a ubiquitin ligase, TRAF6 is pivotal in mediating the activation of key protein kinases, such as transforming growth factor β -activated kinase (TAK1) and I κ B kinase (IKK), through the formation of a unique polyubiquitin chain linked via Lys 63 of ubiquitin. This post-translational modification is crucial for the activation of the NF κ B signaling pathway in response to interleukin-1 and Toll-like receptor ligands, highlighting TRAF6's importance in immune signaling. The coiled-coil domain of TRAF6 is particularly significant for TRAF6 auto-ubiquitination and subsequent activation of the NF κ B pathway.

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