

UVRAG Rabbit Polyclonal Antibody

Catalog #: EAB14090

Host/Isotype	Clonality	Applications	MW (kDa)	Reactivity
Rabbit IgG	Polyclonal	WB, ELISA	78	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
ELISA (Enzyme-linked Immunosorbent Assay)	1:5000-20000

Product Information

Conjugate	Unconjugate
Specificity	UVRAG Rabbit Polyclonal Antibody detects endogenous levels of UVRAG 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	Q9P2Y5
Entrez-Gene ID	7405

Product Description

UVRAG (UV radiation resistance-associated gene), also known as p63 or DHTX, is a 699 amino acid cytoplasmic protein. UVRAG has been shown to activate the BECN1/PI 3-kinase complex, which promotes autophagy. Autophagy is the degradation of cellular proteins in the lysosomes, and when this pathway is suppressed, cell growth is deregulated. Mutations in the gene encoding UVRAG have been associated with colon cancer, suggesting that UVRAG is also involved in suppressing the proliferation and tumorigenicity of human colon cancer cells. UVRAG has been found to complement the ultraviolet sensitivity of xeroderma pigmentosum group C cells. Ubiquitously expressed, UVRAG is found at highest levels in kidney, lung, liver and brain. UVRAG contains one C2 domain, which is thought to be involved in calcium-dependent phospholipid binding.

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