

Anti-RNF139 Antibody

Catalog Number: A06257-2

About RNF139

The RNF139 gene (ring-finger protein 139), also known as TRC8 (translocation in renal carcinoma from chromosome 8), was first identified from a family with 3;8 chromosomal translocation and hereditary renal cell carcinoma and thyroid cancer (PMID:22689053). RNF139 encodes an endoplasmic reticulum (ER) protein with 10 transmembrane segments that contain a sterol-sensing domain and a RING finger motif encoding an E3 ubiquitin ligase (PMID: 19706601). Northern blot and dot blot show that RNF139 is highly expressed in the testis, placenta, and adrenal gland and is expressed at lower levels in the heart, brain, liver, skeletal muscle, and pancreas (PMID: 9689122). It is reported that TRC8 suppresses tumorigenesis by targeting heme oxygenase-1 (HO-1), an antioxidant enzyme highly expressed in various cancers, for ubiquitination and degradation (PMID:22689053). TRC8 is also involved in cholesterol and fatty acid biosynthesis that are transcriptionally regulated by the sterol response element binding proteins (SREBPs) (PMID:17016439). Acetylation, phosphorylation, and autoubiquitination are common post-translational modifications of RNF139 protein.

Overview

Product Name	Anti-RNF139 Antibody
Reactive Species	Human
Description	Boster Bio Anti-RNF139 Antibody catalog # A06257-2. Tested in WB, ELISA applications. This antibody reacts with Human.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg stabilizing protein and 50% glycerol *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q8WU17

Technical Details

Immunogen	E.coli-derived human RNF139 recombinant protein (Position: K513-D661).
Form	Liquid
Concentration	500 ug/ml

Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 ELISA, 1:100-1000

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Anti-RNF139 Antibody

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