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C15orf48 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI13122

Product Information

Application	WB
Primary Accession	Q9C002
Other Accession	NM_032413, NP_115789
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Dog, Guinea Pig, Horse, Bovine
Predicted	Dog, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	9617

Additional Information

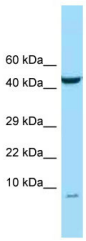
Gene ID	84419
Alias Symbol	FLJ22645, FOAP-11, MGC32925, NMES1
Other Names	Normal mucosa of esophagus-specific gene 1 protein, Protein FOAP-11, NMES1, C15orf48
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-C15orf48 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	C15orf48 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	COXFA4L3 (HGNC:29898)
Function	Mitochondrial small peptide that orchestrates a two-pronged immunoregulatory mechanism in response to inflammatory stimuli. Replaces the canonical cytochrome c oxidase subunit COXFA4 in mitochondrial complex IV and targets it to degradation, attenuating mitochondrial respiration, reducing membrane potential as well as ROS generation and modulates innate immune signaling (PubMed:33837217, PubMed:34878835). Additionally, initiates stress-independent autophagy by lowering ATP levels, activating AMPK-ULK1 signaling, boosting glutathione production, and thereby mitigating oxidative stress and supporting immune tolerance (PubMed:38296961).

Cellular Location	Mitochondrion inner membrane; Single-pass membrane protein
Tissue Location	Expressed mainly in stomach, placenta, small intestine and colon, as well as in normal mucosa of esophagus. Down- regulated in esophageal squamous cell carcinoma (PubMed:12209954) Expressed in macrophages (PubMed:34878835)

Images



WB Suggested Anti-C15orf48 Antibody Titration: 1.0 µg/ml
Positive Control: PANC1 Whole Cell

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