

Product Datasheet

STING1 Antibody / ERIS / MITA / TMEM17 (orb1823328)

Catalog Number	orb1823328
Category	Antibodies
Description	TMEM173 (transmembrane protein 173), also called STING1, ERIS and MITA, is a 379 amino acid protein encoded by a gene mapping to human chromosome 5. With 181 million base pairs encoding around 1,000 genes, chromosome 5 is about 6% of human genomic DNA. It is associated with Cockayne syndrome through the ERCC8 gene and familial adenomatous polyposis through the adenomatous polyposis coli (APC) tumor suppressor gene. Treacher Collins syndrome is also chromosome 5 associated and is caused by insertions or deletions within the TCOF1 gene. Deletion of the p arm of chromosome 5 leads to Cri du chat syndrome. Deletion of 5q or chromosome 5 altogether is common in therapy-related acute myelogenous leukemias and myelodysplastic syndrome.
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin, 0.05% sodium azide
Purification	Protein A/G affinity
Immunogen	A recombinant partial protein sequence (within amino acids 190-290) from the human protein was used as the immunogen for the STING1 antibody.
UniProt ID	Q86WV6

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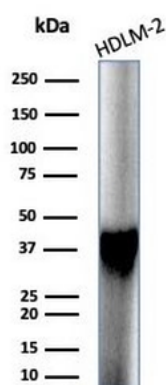
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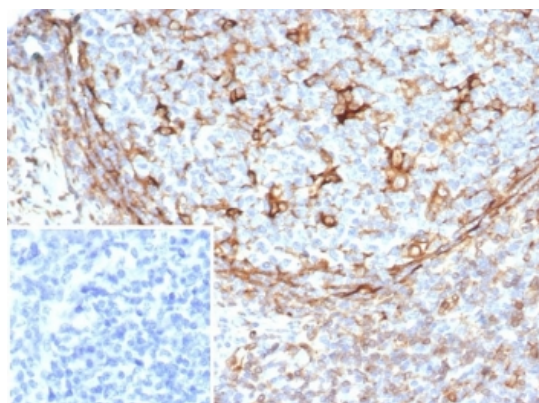
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Tested applications	IHC-P, WB
Dilution range	Western blot: 1-2ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Application notes	Optimal dilution of the STING1 antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	STING1/7433
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Western blot testing of human HDLM-2 cell lysate with STING1 antibody (clone STING1/7433). Predicted molecular weight ~42 kDa.



IHC staining of FFPE human tonsil tissue with STING1 antibody (clone STING1/7433). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH9 10 mM Tris with 1 mM EDTA for 20 min and allow to cool before testing.

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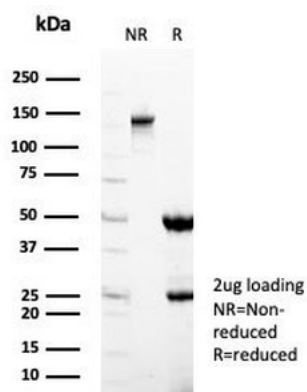
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SDS-PAGE analysis of purified, BSA-free STING1 antibody (clone STING1/7433) as confirmation of integrity and purity.

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