

Product Datasheet

RUNX1T1/ETO Antibody - BSA Free NBP2-55747

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-55747**RUNX1T1/ETO Antibody - BSA Free**

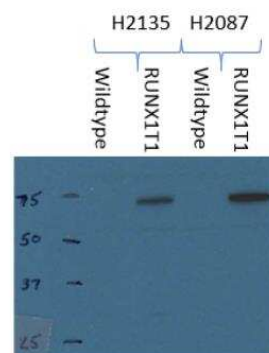
| Product Information | |
|----------------------------|--|
| Unit Size | 100 ul |
| Concentration | Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services. |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Polyclonal |
| Preservative | 0.02% Sodium Azide |
| Isotype | IgG |
| Purity | Affinity purified |
| Buffer | PBS (pH 7.2) and 40% Glycerol |

| Product Description | |
|----------------------------|---|
| Description | Novus Biologicals Rabbit RUNX1T1/ETO Antibody - BSA Free (NBP2-55747) is a polyclonal antibody validated for use in WB and ICC/IF. Anti-RUNX1T1/ETO Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Rabbit |
| Gene ID | 862 |
| Gene Symbol | RUNX1T1 |
| Species | Human |
| Immunogen | This antibody was developed against a recombinant protein corresponding to the following amino acid sequence: KGGGSSSSHSRQQSPVNPDPVALDAHREFLHRPASGYVPEEIWKKA |

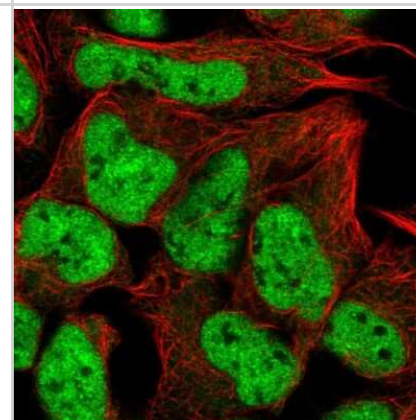
| Product Application Details | |
|------------------------------------|--|
| Applications | Western Blot, Immunocytochemistry/ Immunofluorescence |
| Recommended Dilutions | Western Blot Validated from a verified customer review, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml |
| Application Notes | ICC/IF Fixation Permeabilization: Use PFA/Triton X-100. |

Images

Western Blot: RUNX1T1/ETO Antibody [NBP2-55747] - H2135 and H2087 non-small cell lung cancer cells showing baseline Runx1T1 expression versus Runx1T1 stable overexpression. Image submitted by a verified customer review.



Immunocytochemistry/Immunofluorescence: RUNX1T1/ETO Antibody [NBP2-55747] - Staining of human cell line HEK 293 shows localization to nucleoplasm. Antibody staining is shown in green.



RUNX1T1 is highly expressed in SCLC. (A) RUNX1T1 mRNA levels in cancer cell lines based on Affymetrix data from the CCLE. SCLC is highlighted with a red arrow and NSCLC with a blue arrow. (B) Western blot of RUNX1T1 expression in eight SCLC cell lines (DMS79, H2171, H1694, SHP77, H82, H446, H69, and SW1271) and four NSCLC cell lines (A549, H1299, H1650, and PC9); beta-actin was used as the loading control. (C) RUNX1T1 mRNA levels in tumor samples detected by RNA-Seq comparing SCLC with other cancers (BRCA: breast cancer, CR: colorectal cancer, GBM: glioblastoma, LUAD: lung adenoma NSCLC, LUSC: lung squamous NSCLC, PRAD: prostate adenoma cancer, SKCM: skin melanoma cancer). (D) RUNX1T1 in situ hybridization examples using RNAscope on clinical tumor samples of 'pure' SCLC, lung adenocarcinoma and lung squamous cell carcinoma. Red dots identify RUNX1T1 mRNA signal, green dots MYC mRNA signal. Scale bar = 50 um. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/33084222>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Tian He, Gary Wildey, Karen McColl, Alyssa Savadelis, Kyle Spainhower, Cassidy McColl, Adam Kresak, Aik Choon Tan, Michael Yang, Ata Abbas, Afshin Dowlati Identification of RUNX1T1 as a potential epigenetic modifier in small-cell lung cancer *Molecular Oncology* 2020-11-27 [PMID: 33084222]

He T Identification and clinical significance of two divergent regulators in thoracic malignancy: miR-18a and RUNX1T1 Thesis 2021-01-01 (WB, Human)



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Products Related to NBP2-55747

| | |
|---------------|---|
| NBP2-55747PEP | RUNX1T1/ETO Recombinant Protein Antigen |
| NBP2-33376H | Blue Marker Antibody (6F4-F6) [HRP] |
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit IgG Isotype Control |

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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