

TRAIL Antibody (Center N109) Blocking peptide
Synthetic peptide
Catalog # BP12271c**Specification**

TRAIL Antibody (Center N109) Blocking peptide - Product InformationPrimary Accession [P50591](#)**TRAIL Antibody (Center N109) Blocking peptide - Additional Information****Gene ID** 8743**Other Names**

Tumor necrosis factor ligand superfamily member 10, Apo-2 ligand, Apo-2L, TNF-related apoptosis-inducing ligand, Protein TRAIL, CD253, TNFSF10, APO2L, TRAIL

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TRAIL Antibody (Center N109) Blocking peptide - Protein Information**Name** TNFSF10**Synonyms** APO2L, TRAIL**Function**

Cytokine that binds to TNFRSF10A/TRAILR1, TNFRSF10B/TRAILR2, TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4 and possibly also to TNFRSF11B/OPG (PubMed:26457518, PubMed:10549288). Induces apoptosis. Its activity may be modulated by binding to the decoy receptors TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4 and TNFRSF11B/OPG that cannot induce apoptosis.

Cellular Location

Cell membrane; Single-pass type II membrane protein. Secreted. Note=Exists both as membrane-bound and soluble form.

Tissue Location

Widespread; most predominant in spleen, lung and prostate

TRAIL Antibody (Center N109) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

TRAIL Antibody (Center N109) Blocking peptide - Images**TRAIL Antibody (Center N109) Blocking peptide - Background**

The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This protein preferentially induces apoptosis in transformed and tumor cells, but does not appear to kill normal cells although it is expressed at a significant level in most normal tissues. This protein binds to several members of TNF receptor superfamily including TNFRSF10A/TRAILR1, TNFRSF10B/TRAILR2, TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4, and possibly also to TNFRSF11B/OPG. The activity of this protein may be modulated by binding to the decoy receptors TNFRSF10C/TRAILR3, TNFRSF10D/TRAILR4, and TNFRSF11B/OPG that cannot induce apoptosis. The binding of this protein to its receptors has been shown to trigger the activation of MAPK8/JNK, caspase 8, and caspase 3. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq].

TRAIL Antibody (Center N109) Blocking peptide - References

Morales, J.C., et al. Cancer Lett. 297(1):91-100(2010) Wei, W., et al. Mol. Immunol. 47(15):2475-2484(2010) Niu, T.K., et al. FEBS Lett. 584(16):3519-3524(2010) Pal, R., et al. Breast Cancer Res. Treat. (2010) In press : Johnatty, S.E., et al. PLoS Genet. 6 (7), E1001016 (2010) :