

NEUROMICS

TNFRSF1 (N terminal region)



Data Sheet

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| Catalog Number: | RA21029 | Host: | Rabbit |
| Product Type: | Rabbit Polyclonal IgG | Species Reactivity: | Human |
| Immunogen Sequence: | Synthetic peptide | Format: | Lyophilized powder |

Applications:
Immunohistochemistry: 5-10 ug/ml
Immunofluorescence: 2-15 ug/ml
Western Blot: 1 ug/ml

Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.

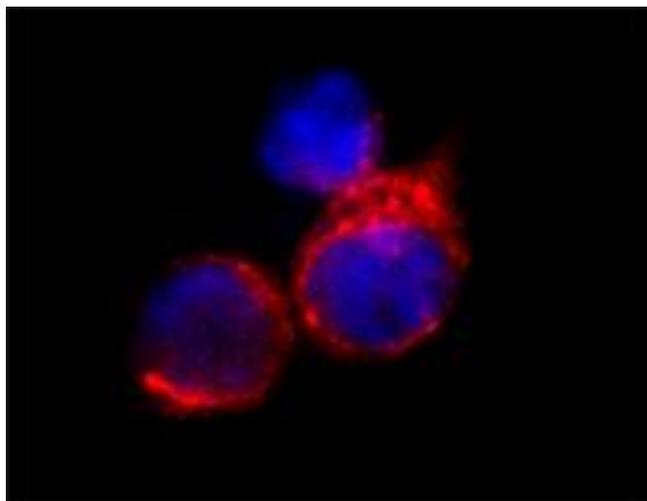
Storage: The product can be stored as supplied for up to 12 months at 2°C-4°C. After reconstitution, aliquot and store at -20°C for higher stability or at 4°C with an appropriate antibacterial agent. Avoid freeze thaw-cycles.

Application Notes

Description/Data:

TNFRSF1A is the receptor for TNFSF2/TNF-alpha and homotrimeric TNFSF1/lymphotoxin-alpha. The adapter molecule FADD recruits caspase-8 to the activated receptor and the resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. TNFRSF1A contributes to the induction of non-cytocidal TNF effects including anti-viral state and activation of the acid sphingomyelinase. The protein encoded by this gene is a member of the TNF-receptor superfamily. This protein is one of the major receptors for the tumor necrosis factor-alpha. This receptor can activate NF-kappaB,

mediate apoptosis, and function as a regulator of inflammation. Antiapoptotic protein BCL2-associated athanogene 4 (BAG4/SODD) and adaptor proteins TRADD and TRAF2 have been shown to interact with this receptor, and thus play regulatory roles in the signal transduction mediated by the receptor.



Images: Immunohistochemical detection of TNFRSF1A in human monocytes. Cells were fixed with 1% formaldehyde incubated with rabbit polyclonal antibody to TNFRSF1A at 5 µg/mL overnight at 4°C followed by incubation with Donkey anti-rabbit Rhodamine Red conjugated secondary antibodies at 1:200 dilution. Nuclei were counterstained with DAPI (blue).

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