



DR3 Monoclonal Antibody

Catalog No	YP-mAb-13718
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	TNFRSF25
Immunogen	Synthesized peptide derived from DR3 . at AA range: 230-310
Specificity	DR3 Monoclonal Antibody detects endogenous levels of DR3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	APO 3;APO3;DDR3;Death receptor 3;DR3;LARD;Protein WSL;Protein WSL 1; TNFRSF12;TNFRSF25;TR3;TRAMP;WSL;WSL 1;WSL LR;WSL1;Tumor necrosis factor receptor superfamily member 25;Apo-3;Apoptosis-inducing receptor AIR;Apoptosis-mediating receptor DR3;Apoptosis-mediating receptor TRAMP;Lymphocyte-associated receptor of death;Protein WSL-1
Observed Band	45kD
Calculated Molecular Weight	45kD
Cell Pathway	[Isoform 1]: Cell membrane; Single-pass type I membrane protein.; [Isoform 2]: Cell membrane; Single-pass type I membrane protein.; [Isoform 9]: Cell membrane; Single-pass type I membrane protein.; [Isoform 11]: Cell membrane; Single-pass type I membrane protein.; [Isoform 3]: Secreted.; [Isoform 4]: Secreted.; [Isoform 5]: Secreted.; [Isoform 6]: Secreted.; [Isoform 7]: Secreted.; [Isoform 8]: Secreted.; [Isoform 10]: Secreted.; [Isoform 12]: Secreted.
Tissue Specificity	Abundantly expressed in thymocytes and lymphocytes. Detected in lymphocyte-rich tissues such as thymus, colon, intestine, and spleen. Also found in the prostate.



Function

function: Receptor for TNFSF12/APO3L/TWEAK. Interacts directly with the adapter TRADD. Mediates activation of NF-kappa-B and induces apoptosis. May play a role in regulating lymphocyte homeostasis., PTM: Glycosylated., similarity: Contains 1 death domain., similarity: Contains 4 TNFR-Cys repeats., subunit: Homodimer. Interacts strongly via the death domains with TNFRSF1 and TRADD to activate at least two distinct signaling cascades, apoptosis and NF-kappa-B signaling. Interacts with BAG4., tissue specificity: Abundantly expressed in thymocytes and lymphocytes. Detected in lymphocyte-rich tissues such as thymus, colon, intestine, and spleen. Also found in the prostate.,

Background

The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is expressed preferentially in the tissues enriched in lymphocytes, and it may play a role in regulating lymphocyte homeostasis. This receptor has been shown to stimulate NF-kappa B activity and regulate cell apoptosis. The signal transduction of this receptor is mediated by various death domain containing adaptor proteins. Knockout studies in mice suggested the role of this gene in the removal of self-reactive T cells in the thymus. Multiple alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported, most of which are potentially secreted molecules. The alternative splicing of this gene in B and T cells encounters a programmed change upon T-cell activation, which predominantly produces full-length, membrane bound isoforms, and is thought to be involve

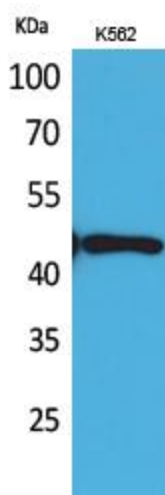
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using DR3 Monoclonal Antibody