**bs-0421R** **[ Primary Antibody ]**

# DR3 Rabbit pAb

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## DATASHEET

**Host:** Rabbit **Isotype:** IgG

**Clonality:** Polyclonal

**GeneID:** 8718 **SWISS:** Q93038

**Target:** DR3

**Immunogen:** KLH conjugated synthetic peptide derived from human DR3: 351-417/417.

**Purification:** affinity purified by Protein A

**Concentration:** 1mg/ml

**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**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 involved in controlling lymphocyte proliferation induced by T-cell activation. [provided by RefSeq, Jul 2008]

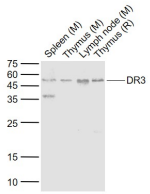
**Applications:** **WB** (1:500-2000)
**IHC-P** (1:100-500)
**IHC-F** (1:100-500)
**IF** (1:100-500)

**Reactivity:** Human, Mouse, Rat

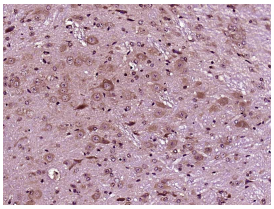
**Predicted MW.:** 43 kDa

**Subcellular Location:** Secreted ,Cell membrane

## VALIDATION IMAGES




Sample: Lane 1: Spleen (Mouse) Lysate at 40 ug Lane 2: Thymus (Mouse) Lysate at 40 ug Lane 3: Lymph node (Mouse) Lysate at 40 ug Lane 4: Thymus (Rat) Lysate at 40 ug Primary: Anti-DR3 (bs-0421R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50 kD Observed band size: 50 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DR3) Polyclonal Antibody, Unconjugated (bs-0421R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

## SELECTED CITATIONS

- **[IF=12.2]** Sen Li. et al. Quinic acid alleviates high-fat diet-induced neuroinflammation by inhibiting DR3/IKK/NF-κB signaling via gut microbial tryptophan metabolites. GUT MICROBES. 2024 七月 07 WB ;Mouse. 38972055

- **[IF=3.71]** Ślebioda, Tomasz Jerzy, et al. "TL1A as a potential local inducer of IL17A Expression in colon mucosa of inflammatory bowel disease patients."Scandinavian Journal of Immunology (2015). IHC ;="Human". 26072972