Product datasheet

Anti-DR5 antibody ab1675

Overview

Product name Anti-DR5 antibody
Description Goat polyclonal to DR5
Host species Goat
Specificity <0.2% cross-reactivity to TRAIL R3 peptide of the same region. Not likely to bind TRAIL R1 due to low sequence homology in this region. Antibody binds to a similar size protein from mouse spleen on Westerns.

Tested applications Suitable for: IHC-P, Flow Cyt, ICC, WB

Species reactivity Reacts with: Human

Immunogen Synthetic peptide:
APQKRSSPSEGCPGHHISEDGRDC,

Positive control Human embryonic kidney cell line-293 or human T-cell line Jurkatt.

General notes TRAIL R2 = "TNF Related Apoptosis Inducing Ligand Receptor 2"

Properties

Form Liquid
Storage instructions Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer Preservative: 0.1% Sodium azide
Constituent: 0.1% BSA
Purity Immunogen affinity purified
Clonality Polyclonal
Isotype IgG

Applications

Our Abpromise guarantee covers the use of ab1675 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
Function
Receptor for the cytotoxic ligand TNFSF10/TRAIL. The adapter molecule FADD recruits caspase-8 to the activated receptor. 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. Promotes the activation of NF-kappa-B. Essential for ER stress-induced apoptosis.

Tissue specificity
Widely expressed in adult and fetal tissues; very highly expressed in tumor cell lines such as HeLaS3, K-562, HL-60, SW480, A-549 and G-361; highly expressed in heart, peripheral blood lymphocytes, liver, pancreas, spleen, thymus, prostate, ovary, uterus, placenta, testis, esophagus, stomach and throughout the intestinal tract; not detectable in brain.

Involvement in disease
Squamous cell carcinoma of the head and neck

Sequence similarities
Contains 1 death domain.
Contains 3 TNFR-Cys repeats.

Cellular localization
Membrane.

Images
ab1675, at a dilution of 1/300, staining DR5 in human spleen section by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections).

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