



Rabbit Anti-Mouse TNFR-2/CD120b monoclonal antibody, clone S451 (CABT-ZB1107)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Mouse TNFR-2/CD120b
Target	TNFRSF1B
Immunogen	Recombinant Mouse TNFR2/TNFRSF1B/CD120b Protein
Isotype	IgG1
Source/Host	Rabbit
Species Reactivity	Mouse
Clone	S451
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(det) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB817 - CABT-ZB1107 This antibody will detect TNFR-2/CD120b in antibody pair set. [ABPR-ZB398]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse TNFR2 / TNFRSF1B / CD120b.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 1 mL

Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Tumor necrosis factor receptor superfamily, member 1B (TNFRSF1B), also known as Tumor necrosis factor receptor 2 (TNFR2) or CD120b antigen, is a member of the tumor necrosis factor receptor superfamily. TNFR2/CD120b/TNFRSF1B is a member of the TNF-receptor superfamily. This protein and TNF-receptor 1 form a heterocomplex that mediates the recruitment of two anti-apoptotic proteins, c-IAP1 and c-IAP2, which possess E3 ubiquitin ligase activity. Knockout studies in mice also suggest a role of this protein in protecting neurons from apoptosis by stimulating antioxidative pathways. TNFR2/CD120b/TNFRSF1B is not a major contributing factor to the genetic risk of type 2 diabetes, its associated peripheral neuropathy and hypertension and related metabolic traits in North Indians. Tumor necrosis factor receptor superfamily, member 1B (TNFRSF1B) has been reported to be associated with SLE risk in Japanese populations. TNFR2/CD120b/TNFRSF1B serves as a receptor with high affinity for TNFSF2 and approximately 5-fold lower affinity for homotrimeric TNFSF1. This receptor mediates most of the metabolic effects of TNF-alpha. Isoform 2 blocks TNF-alpha-induced apoptosis, which suggests that it regulates TNF-alpha function by antagonizing its biological activity.
Keywords	TNFRSF1B; tumor necrosis factor receptor superfamily, member 1B; p75; TBP11

GENE INFORMATION

Synonyms	TNFRSF1B; tumor necrosis factor receptor superfamily, member 1B; p75; TBP11; TNFR; TNFR2; CD120b; TNFR1B; TNFR80; TNF-R75
Entrez Gene ID	21938
UniProt ID	P25119