

HER2 受体转换蛋白抗体

产品货号： mlR18164

英文名称： TOB

中文名称： HER2 受体转换蛋白抗体

别名： APRO 6; APRO6; MGC104792; MGC34446; PIG 49; PIG49; Proliferation inducing gene 49; Protein Tob1; RP23 244C22.1; TOB 1; Tob 1 protein; TOB; TOB1; Tob1 protein; Transducer of ERBB 2 1; Transducer of erbB 2; Transducer of ERBB2 1; Transducer of erbB2; Trob; TOB1_HUMAN; TROB 1; TROB1.

研究领域： 肿瘤 细胞生物 免疫学 染色质和核信号 信号转导 转录调节因子

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit, Sheep,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量： 38kDa

细胞定位： 细胞核 细胞浆

性状： Lyophilized or Liquid

浓度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human TOB:131-230/345

亚 型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed： PubMed

产品介绍： This gene encodes a member of the transducer of erbB-2 /B-cell translocation gene protein family. Members of this family are anti-proliferative factors that have the potential to regulate cell growth. The encoded protein may function as a tumor suppressor. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Aug 2011]

Function:

The Tob/Btg family of proteins consists of a large number of members. These proteins have a common domain in their amino terminal end and may have anti-proliferative activity in various cell types. The Tob protein was identified in a search for molecules that interact with the receptor tyrosine kinase ErbB2. Active ErbB2 has a negative effect on the anti-proliferative activity of Tob. However, Tob is phosphorylated on serine and threonine residues but not on tyrosine, suggesting that active ErbB2 activates a Ser/Thr kinase that phosphorylates Tob. Unphosphorylated Tob suppresses expression of cyclin D1. It was shown that active p90Rsk1 kinase (known to be activated by protein-tyrosine kinase receptor) phosphorylates Tob on serine and threonine residues in vitro. In addition, Erk1/Erk2 MAP kinases phosphorylate Tob in vivo and in vitro, resulting in suppression of the anti-proliferative activity of Tob. Homozygous Tob knockout mice develop greater bone mass resulting from increased numbers of osteoblasts. Furthermore, it has been shown in osteoblasts, that upon BMP2 (bone morphogenetic protein) activation, Tob associates with receptor regulated Smads (Smad 1, 5, and 8). Thus, osteoblast proliferation and differentiation is negatively regulated by Tob protein through the Smad proteins.

Subunit:

Interacts with ERBB2. Interacts with CNOT7 and CNOT8.

Tissue Specificity:

Ubiquitous.

Post-translational modifications:

Phosphorylated on Ser and Thr residues.

Similarity:

Belongs to the BTG family.

SWISS:

P50616

Gene ID:

10140

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.