

激活受体 Atr 抗体

产品货号： mlR19596

英文名称： Punt

中文名称： 激活受体 Atr 抗体

别名： Activin A receptor 88CD; Activin receptor; Activin receptor type II; Atr; Atr88CD; AtrII; dlhC; Dorsal holes C; j5A5; Pun; Put; STK C; STKC; TGF B; TGF beta; TGF beta I; TGF beta type receptor like; Tgf r.

研究领域： 细胞生物 发育生物学 信号转导 干细胞 转录调节因子 激酶和磷酸酶 细胞膜受体 细胞分化

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Fruit fly (Drosophila melanogaster)

产品应用： 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： 59kDa

细胞定位： 细胞膜

性状： Lyophilized or Liquid

浓度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human Punt:421-516/516

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： Fruit fly (*Drosophila melanogaster*) ovaries contains two set of germline stem cells surrounded by a group of highly differentiated somatic cells that express genes for two phenotypes (hedgehog and wingless). The TGF beta super family member, decapentaplegic (dpp) or its homologue BMP2/4 is specifically required for maintenance and promotes its cell division in the female germline. The Signaling by TGF beta related factors requires ligand induced association between type I and type II transmembrane receptors that have endogenous serine/threonine kinases activity. In *Drosophila*, the type I receptor is encoded by the thick veins (tkv) gene and the type II receptor is encoded by the punt (put) gene. These receptors mediate signaling by decapentaplegic (dpp), a member of the bone morphogenetic protein (BMP) subgroup of TGF beta type factors. Over expression or mutation in dpp suppress germline stem cell differentiation. The *Drosophila* punt gene encodes a type II serine/threonine kinase TGF beta/Dpp (Decapentaplegic) receptor. Dpp actions are mediated by its receptor Punt and Saxophone. There are 5 down stream component in the dpp signaling cascade required to block the development of various organelles including salivary glands. These are Mothers against dpp (Mad), Medea (Med) and Schnurri (Shn). Punt signaling is also responsible for calcium gradient formation during *D. melanogaster* development. Punt gene encodes for a homolog of vertebrate type II receptor and Punt, like thick veins (Tkv) is essential for in vivo dpp dependent patterning process. No Dpp dependent signal processing is apparent in the absence of Punt or Tkv suggesting that both receptors acts in concert to transduce Dpp signaling.

SWISS:

Q24468

Gene ID:

41772

Important Note:

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