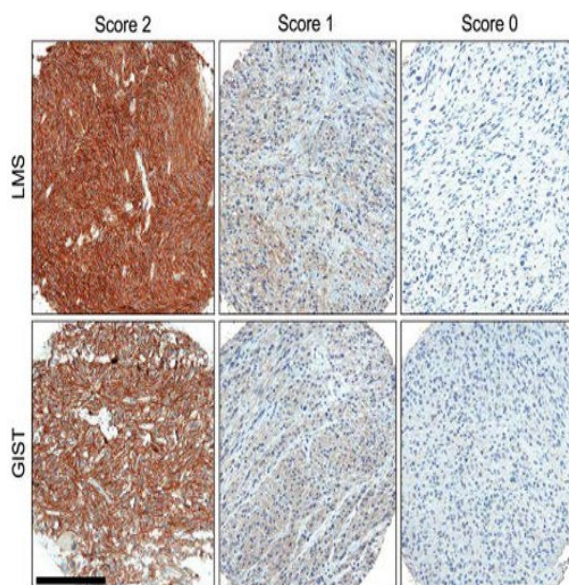
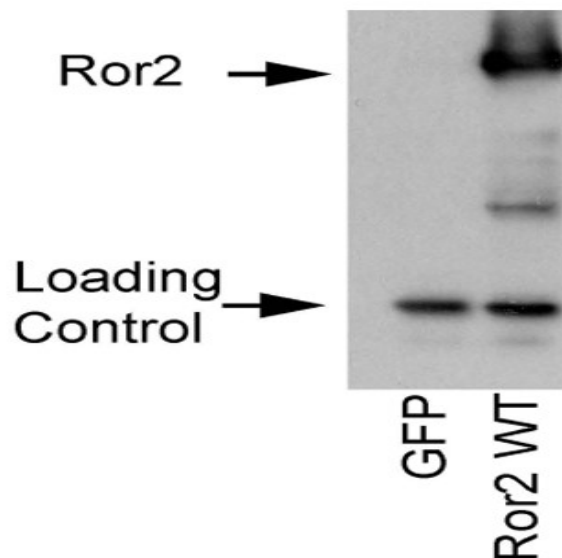


ROR2 Antibody

Monoclonal Antibody

Product Information

Product No.: 34045
Clone: ROR2 2535-2835
Isotype: Mouse IgG1
Storage: -20°C



Product Description

Specificity:

Mouse and human ROR2. Does not cross-react with ROR1.

Background:

Receptor tyrosine kinases (RTKs) are cell surface receptors that regulate normal cellular processes through ligand-controlled tyrosine kinase activity. ROR2 is a membrane-bound RTK that is activated by Wnt signaling during normal bone and cartilage development. Recently, ROR2 has been shown to have pro-tumorigenic effects in osteosarcoma, melanoma, and renal cell carcinoma cell lines. ROR2 levels have also been described in soft-tissue sarcomas; specifically, in vitro studies revealed that invasive abilities of leiomyosarcoma (LMS) and gastrointestinal stromal tumor (GIST) are affected by ROR2 expression, and suppression of ROR2 reduces in vivo tumor mass in a xenotransplantation model of LMS.

Known Reactivity Species:

Human, Mouse

Format:

Purified

Immunogen:

Bases 2535-2835 of mouse ROR2 fused in-frame to MBP and expressed in E. coli.

Formulation

This monoclonal antibody is formulated in phosphate buffered saline (PBS) pH 7.2 - 7.4 with no carrier protein or preservatives added.

Storage and Stability

This antibody is stable for at least one (1) year at -20°C.

Store product in appropriate aliquots to avoid multiple freeze-thaw cycles.

Product Preparation

Antibodies are purified by a multi-step process including the use of protein A or G to assure extremely low levels of endotoxins, leachable protein A or aggregates.

Applications

Applications and Recommended Usage (Quality Tested By Leinco):

Immunoblotting: use at 1-10ug/mL. A band of ~105kDa is detected.

Immunohistochemistry: use at 1-10ug/mL on paraformaldehyde-fixed, paraffin-embedded sections following antigen retrieval (microwave 12 min in citrate buffer, pH 6.0).

These are recommended concentrations.

End user should determine optimal concentrations for their application.

Country of Origin

USA

References

- 1) Mikels A et al. 2009 J Biol Chem 284: 30167-30176.
- 2) Wright TM et al. 2009 Oncogene 28: 2513-2523.
- 3) Edris B et al. 2012 J Pathol 227: 223-233
- 4) ROR1 is upregulated in endometrial cancer and represents a novel therapeutic target. Sci Rep (2020) [32807831]