

## Product Datasheet

# Recombinant NGFR Antibody / p75NTR (orb606817)

|                             |   |
|-----------------------------|---|
| <b>Catalog Number</b>       | orb606817   |
| <b>Category</b>             | Antibodies  |
| <b>Description</b>          | <p>This antibody is specific for a glycoprotein of 75kDa, identified as low affinity Nerve Growth Factor (NGF) Receptor (p75NGFR) or p75 Neurotrophin Receptor (p75NTR). NGFR is expressed in various neural crest cells and their tumors such as melanocytes, melanomas, neuroblastomas, pheochromocytomas and neurofibromas. Reportedly, anti-NGFR/p75NTR is a reliable marker for desmoplastic and neurotropic melanomas. It is expressed in mature non-neural cells such as perivascular cells, dental pulp cells, lymphoidal follicular dendritic cells, basal epithelium of oral mucosa and hair follicles, prostate basal cells, and myoepithelial cells. Anti-NGFR/p75NTR stains the myoepithelial cells of breast ducts and intra-lobular fibroblasts of breast ducts.</p> |
| <b>Clonality</b>            | Recombinant   |
| <b>Species/Host</b>         | Rabbit  |
| <b>Isotype</b>              | Rabbit IgG, kappa   |
| <b>Conjugation</b>          | Unconjugated  |
| <b>Reactivity</b>           | Human   |
| <b>Buffer/Preservatives</b> | 0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide  |
| <b>Purification</b>         | Protein A affinity chromatography   |
| <b>Immunogen</b>            | A portion of amino acids 281-421 from the human protein was used as the immunogen for the recombinant NGFR antibody.  |
| <b>UniProt ID</b>           | <b>P08138</b>   |

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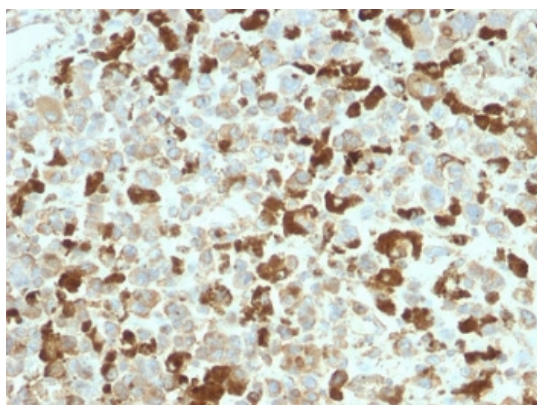
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|                            |   |
|----------------------------|---|
| <b>Tested applications</b> | IHC-P, WB   |
| <b>Dilution range</b>      | Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT,Western blot: 1-2ug/ml   |
| <b>Application notes</b>   | Optimal dilution of the recombinant NGFR antibody should be determined by the researcher.1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min. |
| <b>Antibody Type</b>       | Primary Antibody  |
| <b>Clone Number</b>        | NGFR/2550R  |
| <b>Storage</b>             | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.   |
| <b>Note</b>                | For research use only   |
| <b>Expiration Date</b>     | 12 months from date of receipt.   |



IHC testing of FFPE human melanoma tissue with recombinant NGFR antibody. Required HIER: boil tissue sections in pH6, 10 mM citrate buffer, for 10-20 min and allow to cool prior to testing.

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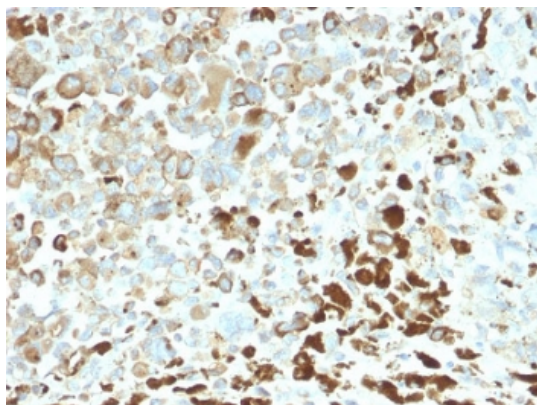
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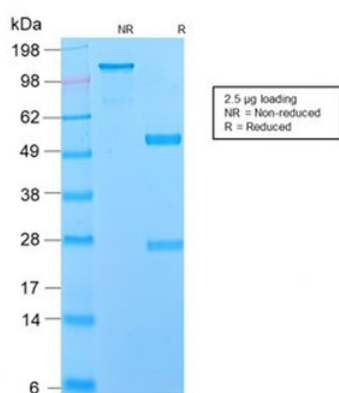
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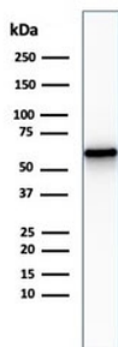
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SDS-PAGE analysis of purified, BSA-free recombinant NGFR antibody as confirmation of integrity and purity.



Western blot testing of human U-87 cell lysate with recombinant NGFR antibody (clone NGFR/2550R). Predicted molecular weight: 45-75 kDa depending on glycosylation level.

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