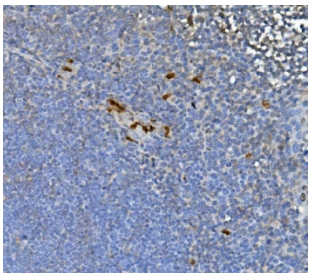
# JUNB Antibody (RQ5736)

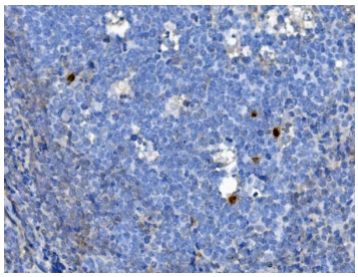
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ5736 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide |
| **UniProt** | P17275 |
| **Applications** | Western Blot : 0.5-1ug/ml<br>Immunohistochemistry : 1-2ug/ml<br>Flow Cytometry : 1-3ug/million cells<br>Direct ELISA : 0.1-0.5ug/ml |
| **Limitations** | This JUNB antibody is available for research use only. |



IHC staining of FFPE human tonsil with JUNB antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



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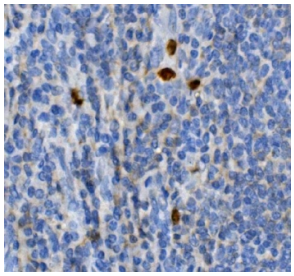

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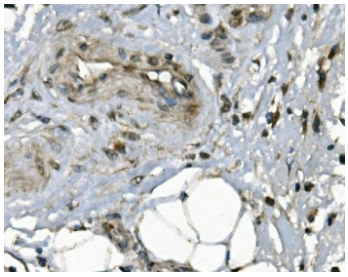
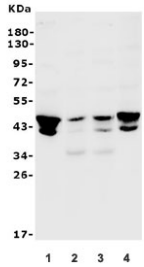
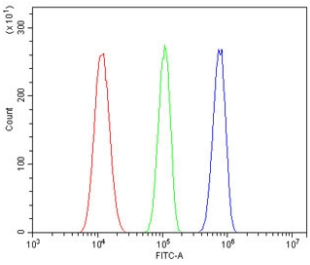


IHC staining of FFPE human breast cancer with JUNB antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.




Western blot testing of human 1) HeLa, 2) K562, 3) Caco-2 and 4) A549 lysate with JUNB antibody. Expected molecular weight: 36-39 kDa (non-phophorylated), 40-45 kDa (phosphorylated).




Flow cytometry testing of human U-87 MG cells with JUNB antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= JUNB antibody.

## Description

Transcription factor jun-B (JUNB) is a protein that in humans is encoded by the JUNB gene. It is mapped to 19p13.2. JUNB is a transcription factor involved in regulating gene activity following the primary growth factor response. It binds to the DNA sequence 5'-TGA[CG]TCA-3', and a large fraction (over 50%) of the JUNB locus is contained in these flanking evolutionarily conserved sequences (FECS), which may be required for effecting the proper transcriptional regulation of this gene. What's more, the expression of JUNB gene might be involved in terminal granulocyte differentiation or in regulating granulocyte functionality.

## Application Notes

Optimal dilution of the JUNB antibody should be determined by the researcher.

## Immunogen

Recombinant human protein (amino acids T3-F347) was used as the immunogen for the JUNB antibody.

## Storage

After reconstitution, the JUNB antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.