

**Antibody to NTF2 (5E8)**  
**MOUSE MONOCLONAL**

**Catalog Number:** AB-V68  
**Quantity:** 100 micrograms  
**Format:** PBS (0.14 M Sodium Chloride; 0.003 M Potassium Chloride; 0.002 M Potassium Phosphate; 0.01 M Sodium Phosphate; pH 7.4), no preservative.  
**Host:** Mouse  
**Isotype:** IgG1  
**Clone:** 5E8  
**Immunogen:** Recombinant human NTF2

**Background:** Nucleocytoplasmic transport is essential for regulating processes such as transcription, translation, growth factor signaling, stress responses, and cell cycle progression. Nuclear transport factor 2 (NTF2) is a soluble transport protein first identified for its ability to promote nuclear localization signal (NLS)-dependent protein import in digitonin-permeabilized cells. NTF2 interacts with nuclear pore complex proteins and binds the GDP-bound form of Ran in vitro, facilitating the transport of cargo proteins into the nucleus.

**Specificity & Preparation:** This mouse IgG1 antibody is generated against human NTF2 (amino acids 1-14) and recognizes human NTF2.

**Usage:** Applications include western blot and immunofluorescence. Working dilutions must be determined by end user.

**Storage:** Store antibody at -20°C for one year. Avoid repeated freezing and thawing. Gently spin down material 5-10 seconds in a microfuge before use.

**Selected References:**

1. Steggerda SM, Black BE, Paschal BM (2000) Monoclonal antibodies to NTF2 inhibit nuclear protein import by preventing nuclear translocation of the GTPase Ran. Mol Biol Cell 11(2):703-719. doi: 10.1091/mbc.11.2.703 PMID: 10679025

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