

## 11-4016: Polyclonal Antibody to Tis7

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	IFRD1
<b>Gene ID :</b>	3475
<b>Uniprot ID :</b>	O00458
<b>Format :</b>	Purified
<b>Alternative Name :</b>	IFRD1
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	A partial length recombinant Tis7 protein (amino acids 1-300) was used as the immunogen for this antibody.

### Description

Tis7/IFRD1 (interferon-related developmental regulator 1) is expressed by neutrophils as a key modifier gene in cystic fibrosis (CF) lung disease. It functions as a transcriptional co-activator/repressor that controls the growth and differentiation of specific cell types during embryonic development and tissue regeneration. In skeletal muscle cells, Tis7 is known to function as a coactivator of MyoD by promoting the transcriptional activity of myocyte enhancer factor 2C (MEF2C). Mutations in Tis7 are associated with sensory/motor neuropathy with ataxia.

### Product Info

<b>Amount :</b>	25 µg / 100 µg
<b>Purification :</b>	Protein A Chromatography
<b>Content :</b>	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Western blot analysis: 2-4 µg/ml

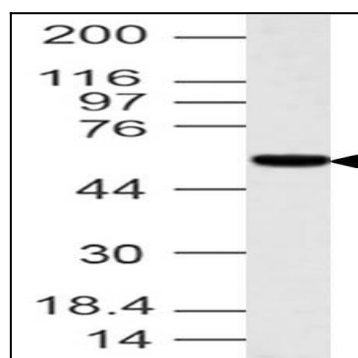


Fig-1: Western blot analysis of Tis7. Anti-Tis7 antibody (11-4016) was used at 4 µg/ml on Testis lysate.