

## 11-8001: Polyclonal Antibody to RUNX2

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	RUNX2
<b>Gene ID :</b>	860
<b>Uniprot ID :</b>	Q13950
<b>Format :</b>	Purified
<b>Alternative Name :</b>	RUNX2,AML3,CBFA1,OSF2,PEBP2A
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	A partial length recombinant RUNX2 protein (amino acids 161-482) was used as the immunogen for this antibody.

### Description

Runt-related transcription factor 2 (Runx2) is also known as core-binding factor subunit alpha-1 (CBF-alpha-1). RunX2 is one of the three mammalian transcription factors sharing the highly conserved DNA-binding Runt domain that represents a key class of lineage-specific gene regulators and is associated with different micro-environments during the cell cycle. RUNX2 has a primary role in the differentiation of osteoblasts and hypertrophy of cartilage at the growth plate, cell migration and vascular invasion of bone and is also expressed in vascular endothelial cells and breast cancer cells. It is a heterodimer of an alpha and a beta subunit. RUNX2 plays a role in the disease metaphyseal dysplasia with maxillary hypoplasia with or without brachydactyly, and cleidocranial dysplasia. By alternative splicing, several isoforms exist.

### 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: 1-3 Åµg/ml

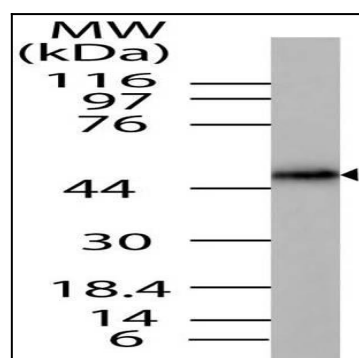


Fig-1: Western blot analysis of RUNX2/ AML-3. Anti-RUNX2/ AML-3 antibody (11-8001) was used at 1 µg/ml on MCF-7 lysate.