

11-8001: Polyclonal Antibody to RUNX2

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

Description

Runx-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 Runx 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

Amount :	25 µg / 100 µg
Purification :	Protein A Chromatography
Content :	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.
Storage condition :	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 µg/ml

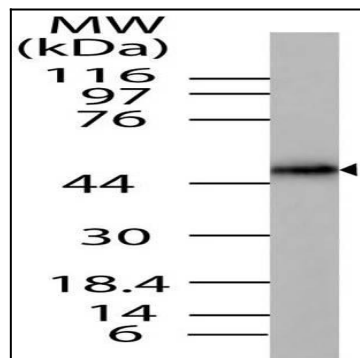


Fig-1: Western blot analysis of RUNX2/ AML-3. Anti-RUNX2/ AML-3 antibody (11-8001) was used at 1 µg/ml on MCF-7 lysate.