



Anti-Anoctamin-5 Antibody (Clone 5F7)

Alternative Names: Anoctamin-5, ANO5

Catalogue Number: AX17-10013-100ug

Size: 100 µg

Background Information

Anoctamin-5 (ANO5) is believed to be an integral membrane glycoprotein with a role in myogenesis and osteogenesis. It is found predominantly in the plasma membrane and intracellular membrane vesicles. In human tissues, ANO5 mRNA is detected in the brain, heart, kidney, lung and skeletal muscle, and in mice shows abundant expression in bone tissues including the calvarium, femur and mandible. Mutations in this protein are linked to limb-girdle muscular dystrophy type 2L (LGMD2L), Miyoshi muscular dystrophy 3 (MMD3) and Gnathodiaphyseal dysplasia (GDD) and other dysferlinopathies.

ANO5 has an expected molecular mass of around 107kDa. However in western blot using lysates prepared from C2C12 cells (wt), RD and fibroblasts, 3 bands are detected at 107kDa, 55 kDa and 37 kDa.

Product Information

Antibody Type:	Monoclonal	Host:	Mouse
Isotype:	IgM	Species Reactivity:	Human, Mouse, Rat
Immunogen:	A synthetic peptide from the C-terminal region of Human ANO5		
Format:	100 µg in 100 µl PBS containing 0.02% sodium azide.		
Storage Conditions:	6 months: 4°C. Long-term storage: -20°C. Avoid multiple freeze and thaw cycles.		
Applications:	IF WB		

Additional Information

Subcellular location:	Cell membrane, Endoplasmic reticulum membrane	MW:	37kDa, 55kDa and 107kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	203859	Uniprot ID:	Q75V66



References

Bashir et al. 2014. Neuromuscular Disorders. 24:1
