

Datasheet for ABIN7273846

Annexin A2 Protein (ANXA2) (AA 2-339) (His tag)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µg
Target:	Annexin A2 (ANXA2)
Protein Characteristics:	AA 2-339
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Annexin A2 protein is labelled with His tag.

Product Details

Purpose:	Mouse ANXA2 Protein
Sequence:	Ser2-Asp339
Characteristics:	Recombinant Mouse ANXA2 Protein is expressed from E.coli with His tag at the N-Terminus.It contains Ser2-Asp339.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	Annexin A2 (ANXA2)
Alternative Name:	ANXA2 (ANXA2 Products)

Target Details

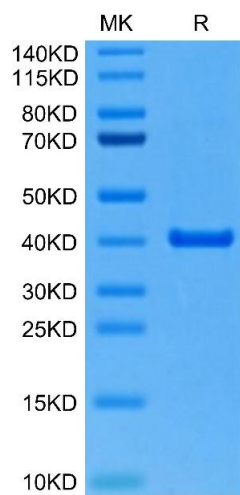
Background:	ANXA2, highly expressed in invasive breast cancer cells, is closely related with poor prognosis, and acts as a molecular switch to EGFR activation. ANXA2 expression is inversely correlated with cell sensitivity to gefitinib. Knockdown of ANXA2 expression in MDA-MB-231 cells increased the gefitinib induced cell death. When ANXA2 was overexpressed in MCF7 cells, the gefitinib induced cell death was decreased. Furthermore, the phosphorylation of ANXA2 at Tyr23 is negatively correlated with the sensitivity of TNBC to gefitinib.
Molecular Weight:	39.6 kDa same as Tris-Bis PAGE result.
UniProt:	P07356
Pathways:	S100 Proteins

Application Details

Restrictions:	For Research Use only
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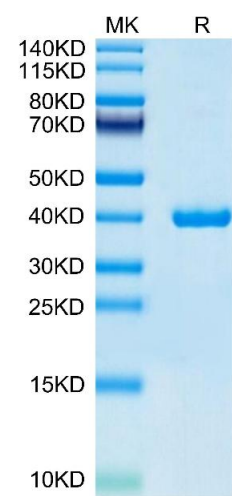
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in 20 mM MES, 150 mM NaCl, 200 mM L-arginine, 5 mM DTT (pH 5.5).
Buffer:	Lyophilized from 0.22µm filtered solution in 20 mM MES, 150 mM NaCl, 200 mM L-arginine, 5 mM DTT (pH 5.5). Normally 8 % trehalose is added as protectant before lyophilization.
Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Mouse ANXA2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



SDS-PAGE

Image 2. Mouse ANXA2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .