

Human ADAM12 HEK293 Cell Lysate (WB positive control)

Catalog Number: 10896-H08HL



Sino Biological Inc.
Biological Solution Specialist

ADAM12 Transfected / Overexpression Cell Lysate Product Information

Expressed Host:	HEK293 Cells
Products Description:	Human Cell lysate that Human ADAM12 transfected / overexpressed for Western blot (WB) positive control. The whole cell lysate is provided in 1X Sample Buffer (1X modified RIPA buffer+1X SDS loading buffer).
Sequence information:	A DNA sequence encoding the human ADAM12 isoform 1 (NP_003465.3) extracellular domain (Met 1-Ser 513) was fused with a polyhistidine tag at the C-terminus.
Predicted N Terminal:	Arg 29
Molecule Mass:	The recombinant human ADAM12 consists of 496 amino acids and predicts a molecular mass of 55.2 kDa. As a result of glycosylation, rhADAM12 migrates as three bands with apparent molecular mass of 27, 55 and 72 kDa corresponding to the propeptide, the mature form and the pro form respectively in SDS-PAGE under reducing conditions.
Species:	Human

ADAM12 Transfected / Overexpression Cell Lysate Usage Guide

Preparation Method:	Cell lysate was prepared by homogenization in ice-cold modified RIPA Lysis Buffer with cocktail of protease inhibitors (Sigma). Cell debris was removed by centrifugation. Protein concentration was determined by Bradford assay (Bio-Rad protein assay, Microplate Standard assay). The cell lysate was boiled for 5 min in 1 x SDS loading buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% sodium dodecylsulfate, 0.01% bromophenol blue) containing 5% b-mercaptoethanol, and lyophilized.
Lysis Buffer:	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF.
Quality Control Testing:	12.5% SDS-PAGE Stained with Coomassie Blue after protein purification.
Stability:	Samples are stable for up to twelve months from date of receipt.
Recommend Usage:	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube. 2. Re-dissolve the pellet using 200µL pure water and boil for 2-5 min. 3. Store the lyophilized cell lysate at 4°C. After re-dissolution, recommend to aliquot it into smaller quantities and store at -80°C.
Storage Buffer:	1 X Sample Buffer (1 X modified RIPA buffer+1 X SDS loading buffer).
Storage Instruction:	Store at 4°C. After re-dissolution, aliquot and store at -80°C.
Application notes:	Western blot (WB): Use at an assay dependent dilution. Other Applications: Not tested. Optimal dilutions/concentrations should be determined by the end user.

Manufactured By Sino Biological Inc., FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

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