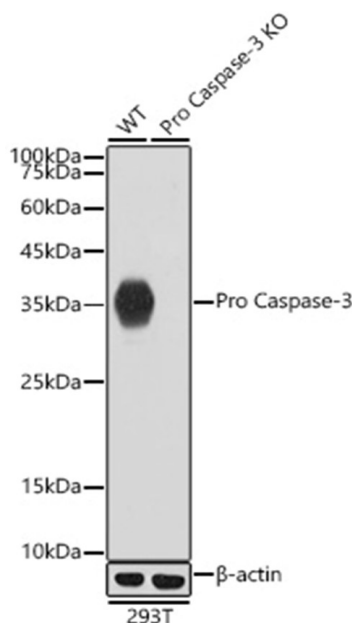# Knockout Validated Antibodies: A Key Tool in Research

A high-quality antibody demonstrates target specificity, selectivity, and sensitivity, enabling it to accurately detect the protein of interest even at low expression levels. Nevertheless, cross-reactivity with off-target proteins is still a concern with some antibodies. This challenge may present issues with experimental reproducibility, as non-specific antibodies can impede scientific progress.

MBLI introduces Knockout [KO] validation as the standard of antibody confirmation. The gene knockout validation is used to determine the function of a known sequence. By inactivating the gene that encodes the target protein, we can produce samples with a depletion of the target protein. KO validation is a highly effective technique that confirms the specificity of the antibody as depicted.

WB of lysates from wild type (WT) and active + pro Caspase-3 knockout (KO) 293T cells, using [KO Validated] active + pro Caspase-3 Rabbit mAb (CNA19654P)

Here are some examples of MBLI KO validated antibodies (100 uL)

Product Code	Product Name
CNA19654P	[KO Validated] active + pro Caspase-3 Rabbit mAb
CNA4771S	[KO Validated] p38 MAPK Rabbit mAb
CNA2162S	[KO Validated] eIF4E Rabbit pAb
CNA2248S	[KO Validated] HP1 gamma/CBX3 Rabbit pAb
CNA19566S	[KO Validated] STAT3 Rabbit mAb

MBLI offers over 300 Knockout [KO] validated antibodies! Please reach out to us for more product information.

*For most up to date product information and protocols, please visit mbintl.com

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