

# AB-PN935

## AP2M1-pT156 Antibody

Phosphosite-specific rabbit polyclonal antibody for AP2M1 (AP-2 mu 2). This phosphothreonine-site antibody is selective for phosphothreonine in the phosphosite.

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### Target Protein

<b>Protein Name Long:</b>	AP-2 complex subunit mu
<b>Protein Alias:</b>	A2M1; adaptor-related protein complex 2, mu 1 subunit; AP-2 mu 2 chain; AP2M1; AP50; CLAPM1; clathrin adaptor complex AP2, mu subunit; Clathrin assembly protein complex 2 medium chain; clathrin coat adaptor protein AP50; Clathrin coat Assembly protein AP50; Clathrin coat associated protein AP50; clathrin-associated/assembly/adaptor protein, medium 1; HA2 50 kDa subunit; KIAA0109; mu2; Plasma membrane adaptor AP-2 50 kDa protein; plasma membrane adaptor AP-2 50kDa protein
<b>UniProt ID:</b>	Q96CW1
<b>Protein Molecular Mass:</b>	49,650 Da

### Immunogen

<b>Antibody Immunogen Source:</b>	Synthetic phosphopeptide patterned after human AP2M1
<b>Antibody Immunogen Sequence:</b>	SQV(pT)GQIGC
<b>Antibody Immunogen Description:</b>	Corresponds to amino acid residues S153 to G160. T156 phosphorylation induces activity. This is the major <i>in vivo</i> site of phosphorylation of AP2M1 with $\geq 61$ mass spectrometry reports in PhosphoSite Plus. AP2M1 is known to be phosphorylated at this site <i>in vitro</i> by LRRK2.
<b>Antibody Target Type:</b>	Phosphosite-specific

### Production

<b>Antibody Host Species:</b>	Rabbit
<b>Antibody Type:</b>	Polyclonal
<b>Antibody Isotype:</b>	IgG
<b>Production Method:</b>	The immunizing peptide was produced by solid phase synthesis on a multipep peptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from these animals was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris.
<b>Amount:</b>	25 $\mu$ g
<b>Antibody Concentration:</b>	0.55 mg/ml
<b>Storage Buffer:</b>	Phosphate buffered saline pH 7.4, 0.05% Thimerasol
<b>Storage Conditions:</b>	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.
<b>Storage Stability:</b>	>2 years

## Applications

<b>Product Use:</b>	Western blotting   Antibody microarray
<b>Antibody Dilution Recommended:</b>	2 µg/ml for immunoblotting
<b>Antibody Species Reactivity:</b>	Human   Chimpanzee   Rhesus macaque   Dog   Rat   Chicken   Frog   Zebra fish   Fruit fly   Honey bee   Nematode worm

This product is for *in vitro* research use only and is not intended for use in humans or animals.

For more information on our products please visit <https://kinexus-ca.myshopify.com/> or contact us at 1-866-546-3987