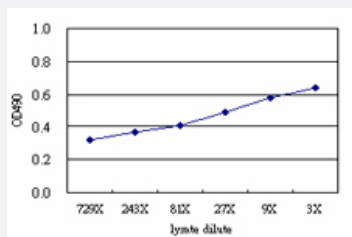


# PPM1F (Human) Matched Antibody Pair

Catalog # H00009647-AP51

Size 1 Set

## Applications



Sandwich ELISA detection sensitivity ranging from approximately 27x to 3x dilution of the PPM1F 293T overexpression lysate (non-denatured).

## Specification

<b>Product Description</b>	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human PPM1F.
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (79); Rat (79)
<b>Quality Control Testing</b>	Standard curve using PPM1F 293T overexpression lysate (non-denatured) as an analyte. Sandwich ELISA detection sensitivity ranging from approximately 27x to 3x dilution of the PPM1F 293T overexpression lysate (non-denatured).
<b>Supplied Product</b>	Antibody pair set content: 1. Capture antibody: mouse monoclonal anti-PPM1F (100 ug) 2. Detection antibody: rabbit purified polyclonal anti-PPM1F (50 ug) *Reagents are sufficient for at least 3-5 x 96 well plates using recommended protocols.
<b>Storage Instruction</b>	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

## Applications

- ELISA Pair (Transfected lysate)

[Protocol Download](#)

## Gene Info — PPM1F

**Entrez GeneID** [9647](#)

**Gene Name** PPM1F

**Gene Alias** CaMKPase, FEM-2, KIAA0015, POPX2, hFEM-2

**Gene Description** protein phosphatase 1F (PP2C domain containing)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** The protein encoded by this gene is a member of the PP2C family of Ser/Thr protein phosphatases. PP2C family members are known to be negative regulators of cell stress response pathways. This phosphatase can interact with Rho guanine nucleotide exchange factors (PIX), and thus block the effects of p21-activated kinase 1 (PAK), a protein kinase mediating biological effects downstream of Rho GTPases. Calcium/calmodulin-dependent protein kinase II gamma (CAMK2G/CAMK-II) is found to be one of the substrates of this phosphatase. The overexpression of this phosphatase or CAMK2G has been shown to mediate caspase-dependent apoptosis. An alternatively spliced transcript variant has been identified, but its full-length nature has not been determined. [provided by RefSeq]

**Other Designations** Ca(2+)/calmodulin-dependent protein kinase phosphatase|CaM-kinase phosphatase|PP2C phosphatase|partner of PIX 2|protein phosphatase 1F

## Disease

- [Kidney Failure](#)
- [Tobacco Use Disorder](#)