

## ACP3 antibody

### Product Information

Catalog No.:	FNab00102
Size:	100µg
Form:	liquid
Purification:	Protein A+G purification
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
Clonality:	monoclonal
Clone ID:	8D6
IsoType:	IgG2a
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

### Background

A non-specific tyrosine phosphatase that dephosphorylates a diverse number of substrates under acidic conditions(pH 4-6) including alkyl, aryl, and acyl orthophosphate monoesters and phosphorylated proteins. Has lipid phosphatase activity and inactivates lysophosphatidic acid in seminal plasma. Isoform 2: the cellular form also has ecto-5'-nucleotidase activity in dorsal root ganglion(DRG) neurons. Generates adenosine from AMP which acts as a pain suppressor. Acts as a tumor suppressor of prostate cancer through dephosphorylation of ERBB2 and deactivation of MAPK-mediated signaling.

### Immunogen information

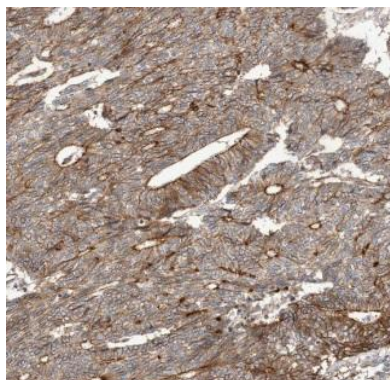
Immunogen:	acid phosphatase, prostate
Synonyms:	Prostatic acid phosphatase (PAP) 5'-nucleotidase (5'-NT) Acid phosphatase 3 Ecto-5'-nucleotidase Protein tyrosine phosphatase ACP3 Thiamine monophosphatase (TMPase) PAPf39 ACP3 ACPP
Observed MW:	48 kDa
Uniprot ID :	P15309

### Application

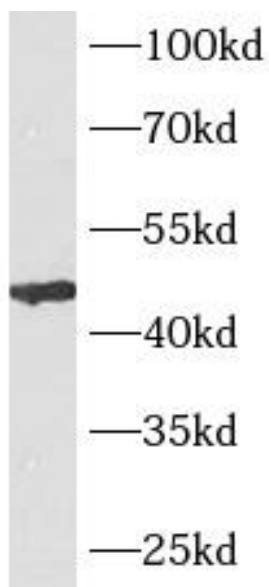
Reactivity:	Human, rat
Tested Application:	ELISA, WB, IHC

Recommended dilution: WB: 1:200-1:2000; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human prostate hyperplasia using FNaB00102(ACPP antibody) at dilution of 1:50



human testis tissue were subjected to SDS PAGE followed by western blot with FNaB00102(ACPP antibody) at dilution of 1:400