

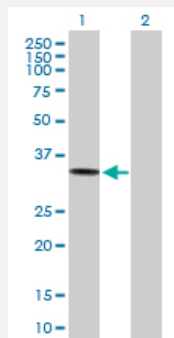
MaxPab®

ACP5 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000054-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of ACP5 expression in transfected 293T cell line ([H00000054-T02](#)) by ACP5 MaxPab polyclonal antibody.

Lane 1: ACP5 transfected lysate(35.75 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human ACP5 protein.
Immunogen	ACP5 (NP_001602.1, 1 a.a. ~ 325 a.a) full-length human protein.
Sequence	MDMWTALLILQALLPSLADGATPALRFVAVGDWGGVPNAPFHTAREMANAKEIARTVQILGADFI LSLGDNFYFTGVQDINDKRFQETFEFSDRSLRKVPWYVLAGNHDHLGNVSAQIAYSKISKRWN FPSPFYRLHFKIPQTNVSVAIFMLDTVTLGNSDDFLSQQPERPRDVKLARTQLSWLKKQLAAAR EDYVLVAGHYPVWSIAEHGPTHCLVKQLRPLLATYGVTAFLCGHDHNLQYLQDENGVGWVLSGAG NFMDP SKRHQRKVPNGYLRFHGTEDSLGGFAYVEISSKEMTVTYEASGKSLFKTRLPRRARP
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — ACP5

Entrez GeneID	54
GeneBank Accession#	NM_001611.2
Protein Accession#	NP_001602.1
Gene Name	ACP5
Gene Alias	MGC117378, TRAP
Gene Description	acid phosphatase 5, tartrate resistant
Omim ID	171640
Gene Ontology	Hyperlink
Gene Summary	This gene encodes an iron containing glycoprotein which catalyzes the conversion of orthophosphoric monoester to alcohol and orthophosphate. It is the most basic of the acid phosphatases and is the only form not inhibited by L(+)-tartrate. [provided by RefSeq]
Other Designations	TrATPase tartrate resistant acid phosphatase 5 tartrate-resistant acid ATPase

Publication Reference

- [The effects of the cathepsin K inhibitor odanacatib on osteoclastic bone resorption and vesicular trafficking.](#)

Leung P, Pickarski M, Zhuo Y, Masarachia PJ, Duong LT.

Bone 2011 Oct; 49(4):623.

Application: IF, Human, Osteoclasts

Pathway

- [gamma-Hexachlorocyclohexane degradation](#)
- [Lysosome](#)
- [Riboflavin metabolism](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Osteonecrosis](#)