

## Product datasheet for **TA349679**

### Alkaline Phosphatase (ALPP) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1000-5000 WB positive control: HepG2 cells and human placenta tissue IHC: 50-200 Positive control: Human lung cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human ALPP
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	58 kDa
Gene Name:	alkaline phosphatase, placental
Database Link:	<a href="#">NP_001623</a> <a href="#">Entrez Gene 250 Human</a> <a href="#">P05187</a>



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**Background:**

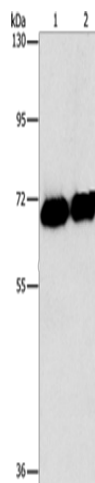
There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-like, and liver/bone/kidney (tissue non-specific). The first three are located together on chromosome 2 while the tissue non-specific form is located on chromosome 1. The product of this gene is a membrane bound glycosylated enzyme, also referred to as the heat stable form, that is expressed primarily in the placenta although it is closely related to the intestinal form of the enzyme as well as to the placental-like form. The coding sequence for this form of alkaline phosphatase is unique in that the 3' untranslated region contains multiple copies of an Alu family repeat. In addition, this gene is polymorphic and three common alleles (type 1, type 2 and type 3) for this form of alkaline phosphatase have been well characterized.

**Synonyms:**

ALP; PALP; PLAP; PLAP-1

**Protein Pathways:**

Folate biosynthesis, Metabolic pathways

**Product images:**

Gel: 15%SDS-PAGE

Lysate: 40 µg

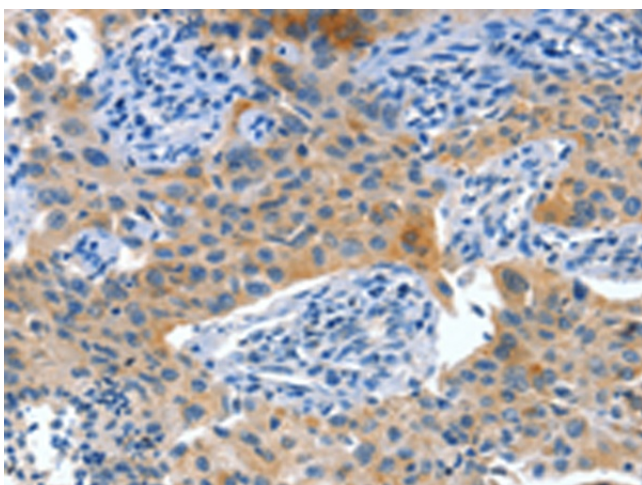
Lane 1-2: HepG2 cells

human placenta tissue

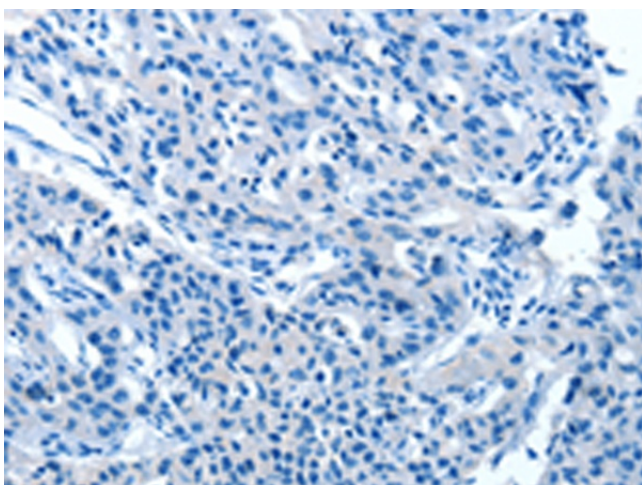
Primary antibody: TA349679 (ALPP Antibody) at dilution 1/1550

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

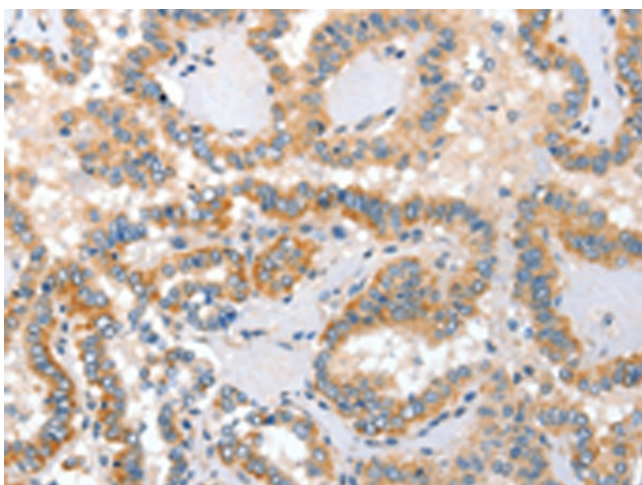
Exposure time: 1 second



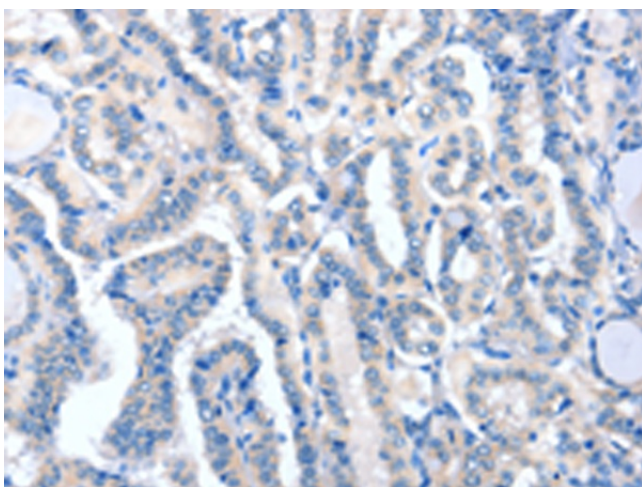
Immunohistochemistry of paraffin-embedded Human lung cancer tissue using TA349679 (ALPP Antibody) at dilution 1/60 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using TA349679 (ALPP Antibody) at dilution 1/60, treated with fusion protein. (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA349679 (ALPP Antibody) at dilution 1/60 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA349679 (ALPP Antibody) at dilution 1/60, treated with fusion protein. (Original magnification: ×200)