

**Rabbit Anti-hPTH(1-34) Serum**

AS-716

Lot # 1233

This antiserum was raised in a rabbit which was immunized with synthetic human PTH(1-34) covalently attached onto a carrier protein. The antibody is specific for this peptide and is suitable for the immunohistochemical or western blotting detection of hPTH. This antiserum was characterized by western blotting, ELISA, RIA, and immunocytochemical techniques. Dilute the lyophilized antibody with 0.1 ml of 10 mg/ml BSA in PBS for the equivalent concentration of whole antiserum, or with additional buffer for more dilute antiserum.

**Antiserum Specificity**

<b>Polypeptide</b>	<b>% Cross Reactivity</b>
PTH(1-34) (human)	100
PTH(1-84) (human)	95
PTH(1-84) (bovine)	80
PTHrp(1-35)	< 0.1
ANP	0
ACTH(1-39) (human)	0
VIP	0

**Immunocytochemical Staining**

The antiserum has been found to stain formaldehyde fixed sections known to express PTH at a dilution of 1:500.

**Western Blotting Protocol**

1. After SDS-PAGE on a 15% gel and electrophoretic transfer to PVDF membrane, block the membrane overnight with 2% normal goat serum in TBS/Tween-20 buffer.
2. Wash x 2 with TBS/Tween-20.
3. Apply the rabbit polyclonal antibody after dilution to at least 1:1000 (Note: higher dilutions may be needed). Use 2% normal goat serum in TBS/Tween-20 as buffer for the primary antibody. Let the primary antibody bind for 2-4 hours.
4. Wash x 3 with TBS/Tween-20.
5. Apply affinity purified HRP-goat anti-rabbit IgG antiserum diluted 1:2500 (dilution may vary depending upon supplier) in 2% normal goat serum in TBS/Tween-20. Incubate 1-2 hours. Note: greater sensitivity may be achieved using ABC techniques.
6. Wash x 4 for 5 minute/wash with TBS/Tween-20.
7. Develop color using the enhanced DAB reaction.