

Aromatase Antibody

CATALOG #:	3599-30T 3599-100	30 µg (Trial size) 100 µg
HOST:	Rabbit	
IMMUNOGEN:	Synthetic peptide surrounding amino acid 385 of human Aromatase (ID# BV-210)	
SPECIES REACTIVITY:	Human, Mouse, Rat, Bovine, Porcine, Chicken, Pig, Sheep, Rabbit, Horse	

FORMULATION:

0.5 mg/ml affinity purified rabbit anti-Aromatase polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 0.5% BSA, 0.5 mM EDTA and 0.03% ProClin®

STORAGE CONDITIONS:

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

DESCRIPTION:

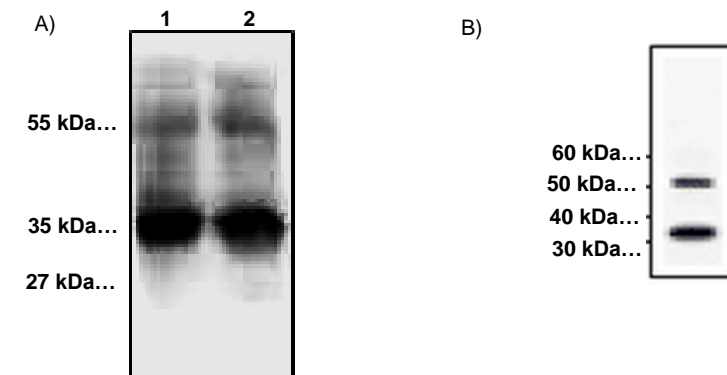
Aromatase is a key enzyme in steroidogenesis and plays an important role in sexual differentiation, fertility, and carcinogenesis. Many environmental chemicals may influence aromatase activity and thereby disrupt endocrine function.

SPECIFICITY:

The antibody should recognize aromatase in samples from human, mouse, rat, bovine, porcine, pig, sheep, rabbit, horse and chicken origins. A 55 kDa band can be detected, corresponding to the expected molecular weight of Aromatase. An additional 35 kDa band (believe to be the cleavage product of Aromatase) can also be detected in Jurkat cells.

APPLICATION:

The antibody can be used for Western blotting (0.5-4 µg/ml), and in immunohistochemistry (10 µg/ml). However, the optimal concentrations should be determined individually. Jurkat cell lysate can be used as a positive control.



Western blot with Aromatase Polyclonal Antibody

A

- 1) 80 µg Jurkat cell lysate
- 2) 50 µg Jurkat cell lysate

B: 100 µg human brain tissue lysate.

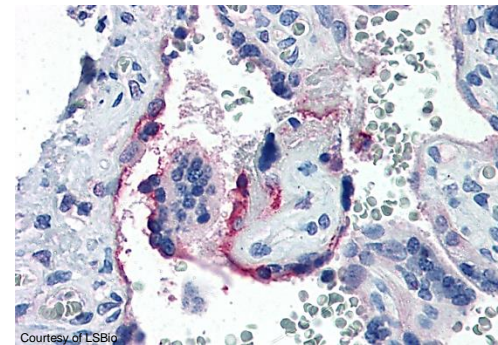
Blocking/Dilution buffer: 5% NFDM (1 hr at RT) / TBST

Lox-1 Polyclonal Antibody used at 1:1000 dilution - O/N at 4°C.

Goat Anti-Rabbit IgG peroxidase conjugated used at 1:10,000 dilution – 1 hr at RT

Predicted band size: ~ 35 and 55 kDa.

Observed band size: ~ 35 kDa (prominent) ~55 kDa (faded)



IHC staining of human placenta tissue with Aromatase Polyclonal antibody: Immunohistochemistry of formalin fixed, paraffin-embedded tissue after heat-induced antigen retrieval. 10 µg/ml of antibody used for staining. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen.

RELATED PRODUCTS:

- Aromatase Blocking Peptide (Cat # 3599BP-50)
- 4-1BBL Antibody (Cat # 5369-100)
- 4-1BBR Antibody (Cat # 5370-100)
- 5-hmC polyclonal antibody (rabbit) (Cat # 6830-50)
- 7-Methylguanosine antibody (Cat # 6655-100)
- A1 Antibody (Cat # 3401-100)

FOR RESEARCH USE ONLY. Not for use in humans.