

Datasheet: AHP2023

Description:	GOAT ANTI HUMAN WNT-4
Specificity:	WNT-4
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1/32000
Immunoprecipitation			▪	
Western Blotting	▪			0.03 - 0.1ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Species Cross Reactivity	Based on sequence similarity, is expected to react with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antiserum to human WNT-4 was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.
Buffer Solution	TRIS buffered saline
Preservative	0.02% Sodium Azide (NaN ₃)
Stabilisers	0.5% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.5mg/ml
Immunogen	Synthetic peptide sequence C-SNWLYLAKLSSVGS corresponding to amino acid residues 23-36 of WNT-4 (UniProt : P56705)

**External Database
Links**

UniProt:

[P56705](#) [Related reagents](#)

Entrez Gene:

[54361](#) WNT4 [Related reagents](#)

Specificity

Goat anti Human WNT-4 antibody recognizes human WNT-4, a 329 amino acid ~35 kDa secreted protein, ligand for frizzled family of seven transmembrane receptors.

Mutations of the WNT-4 gene are associated with 46,XX sex reversal with dysgenesis of kidneys, adrenals, and lungs ([SERKAL](#)), a condition characterized by association of female-to-male sex reversal with dysgenesis of kidneys, adrenals, and lungs ([Mandel et al. 2008](#)). Additionally, mutations in the WNT-4 gene are also associated with Mullerian aplasia and hyperandrogenism ([MULLAPL](#)), a condition affecting female development ([Philibert et al. 2008](#)).

Western Blotting

AHP2023 detects a band of approximately 35kDa in human testis and ovary cell lysates.

Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 months from date of despatch.

**Health And Safety
Information**

Material Safety Datasheet documentation available at:

Material Safety Datasheet Documentation #10058 available at:

<https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

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