

## DACH1 Polyclonal Antibody

Catalog number: 10914-1-AP

Size: 21 µg/150 µl

Source: Rabbit

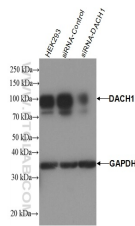
Isotype: IgG

Synonyms:

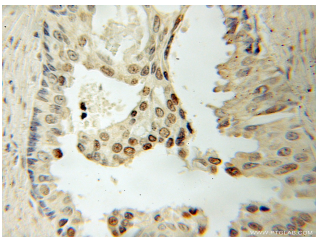
DACH1; DACH, DACH1,

Dachshund homolog 1,

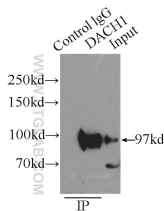
Dachshund-1



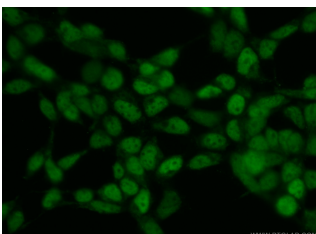
HEK293 cells (Native, siRNA-control, siRNA-DACH1) were subjected to SDS PAGE followed by western blot with 10914-1-AP (DACH1 antibody) at dilution of 1:1000



Immunohistochemical of paraffin-embedded human prostate cancer using 10914-1-AP(DACH1 antibody) at dilution of 1:50 (under 10x lens)



IP Result of anti-DACH1 (IP:10914-1-AP, 4µg; Detection:10914-1-AP 1:1000) with HEK-293 cells lysate 6000µg.



### Background

DACH1, a homologue of the *Drosophila* dachshund gene, is a key regulator of cell fate determination during eye, leg, and brain development in the fly. Through interacting with NCoR and Smad4, DACH1 is able to inhibit the transforming growth factor-beta (TGF-beta) signaling pathway. DACH1 can inhibit breast cancer cellular proliferation via cyclin D1, suggesting a possible role in tumor suppression. Additionally, DACH1 plays an important role in negative regulation of RANKL (Receptor activator of NF-kappaB ligand) gene expression in marrow stromal/preosteoblast cells, and loss of DACH1 expression might be involved in endometrial cancer progression. Four isoforms of DACH1 are produced by alternative splicing. This antibody is a rabbit polyclonal antibody raised against residues near the C terminus of human DACH1.

### Applications

Tested applications:	ELISA, IHC, IP, WB, IF
Cited applications:	ChIP, IF, IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse, rat
Calculated DACH1 MW:	79 kDa
Observed DACH1 MW:	97-100 kDa
Positive WB detected in	HEK-293 cells, HEK-293
Positive IP detected in	HEK-293 cells
Positive IHC detected in	Human prostate cancer tissue
Positive IF detected in	HEK-293 cells
Recommended dilution:	WB: 1:200-1:2000
	IP: 1:500-1:5000
	IHC: 1:20-1:200
	IF: 1:20-1:200

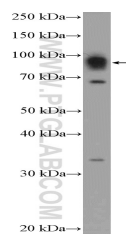
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag1354
GenBank accession number:	BC021219
Gene ID (NCBI):	1602
Full name:	Dachshund homolog 1 ( <i>Drosophila</i> )

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



<b>Immunofluorescent analysis of ( 10% Formaldehyde ) fixed HEK-293 cells using 10914-1-AP( DACH1 Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)</b>	<b>HEK-293 cells were subjected to SDS PAGE followed by western blot with 10914-1-AP( DACH1 Antibody) at dilution of 1:600</b>
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