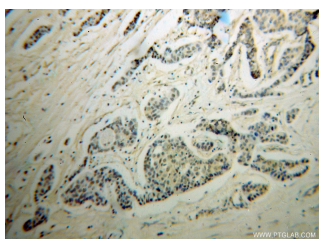
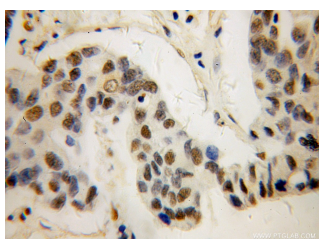


## AKR1C3 Polyclonal Antibody

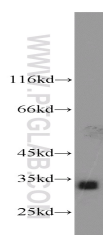
Catalog number: 11194-1-AP  
Size: 50 µg/150 µl  
Source: Rabbit  
Isotype: IgG  
Synonyms:  
AKR1C3; 17 beta HSD 5, 3 alpha HSD type 2, 3 alpha HSD type II, brain, AKR1C3, DD 3, DD3, DDX, Dihydrodiol dehydrogenase 3, HA1753, HAKRB, HAKRe, hluPGFS, HSD17B5, Indanol dehydrogenase, KIAA0119, PGFS, Prostaglandin F synthase



Immunohistochemical of paraffin-embedded human breast cancer using 11194-1-AP(AKR1C3 antibody) at dilution of 1:100 (under 10x lens)



Immunohistochemical of paraffin-embedded human breast cancer using 11194-1-AP(AKR1C3 antibody) at dilution of 1:100 (under 40x lens)



HepG2 cells were subjected to SDS PAGE followed by western blot with 11194-1-AP(AKR1C3 antibody) at dilution of 1:1000

### Background

AKR1C3(Aldo-keto reductase family 1 member C3) is also named as DDH1, HSD17B5, KIAA0119, PGFS and belongs to AKR1C family. In humans, at least four AKR1C isoforms exist: AKR1C1, AKR1C2, AKR1C3, AKR1C4 and AKR1C3 shares >86% sequence identity with these three highly related human AKRs(PMID:18574251). It catalyzes the conversion of aldehydes and ketones to alcohols and androgen, estrogen, PG, xenobiotics metabolism. The rat kidney possesses a dimeric form of 75 kDa(PMID:18574251).

### Applications

Tested applications:	ELISA, WB, IHC, IP
Cited applications:	WB
Species specificity:	Human; other species not tested.
Cited species:	Human
Calculated AKR1C3 MW:	323aa,37 kDa
Observed AKR1C3 MW:	34 kDa
Positive WB detected in	HepG2 cells, A549 cells, Jurkat cells, K-562 cells
Positive IP detected in	HepG2 cells
Positive IHC detected in	Human breast cancer tissue
Recommended dilution:	WB: 1:500-1:5000 IP: 1:500-1:5000 IHC: 1:20-1:200

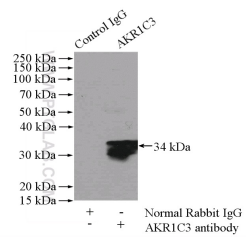
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag1674
GenBank accession number:	BC019230
Gene ID (NCBI):	8644
Full name:	Aldo-keto reductase family 1, member C3 (3-alpha hydroxysteroid dehydrogenase, type II)

### Product information

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



**IP Result of anti-AKR1C3**  
**(IP:11194-1-AP, 4ug;**  
**Detection:11194-1-AP 1:1000)**  
**with HepG2 cells lysate**  
**2400ug.**