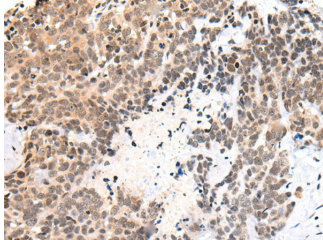
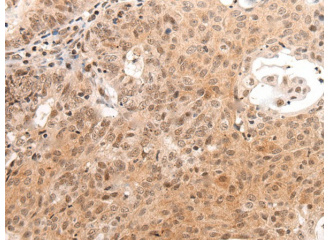


## C14orf169 Polyclonal Antibody

**catalog number:** E-AB-19635

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

Description	
<b>Reactivity</b>	Human;Mouse;Rat
<b>Immunogen</b>	Synthetic peptide of human C14orf169
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Antigen affinity purification
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.
Applications	Recommended Dilution
IHC	1:30-1:150

Data	
	
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using C14orf169 Polyclonal Antibody at dilution of 1:45(×200)	Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using C14orf169 Polyclonal Antibody at dilution of 1:45(×200)

Preparation & Storage	
<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background	
<p>Oxygenase that can act as both a histone lysine demethylase and a ribosomal histidine hydroxylase. Specifically demethylates 'Lys-4' (H3K4me) and 'Lys-36' (H3K36me) of histone H3, thereby playing a central role in histone code. Preferentially demethylates trimethylated H3 'Lys-4' (H3K4me3) and monomethylated H3 'Lys-4' (H3K4me1) residues, while it has weaker activity for dimethylated H3 'Lys-36' (H3K36me2). Also catalyzes the hydroxylation of 60S ribosomal protein L8 on 'His-216'. Acts as a regulator of osteoblast differentiation via its interaction with SP7/OSX by demethylating H3K4me and H3K36me, thereby inhibiting SP7/OSX-mediated promoter activation (By similarity). May also play a role in ribosome biogenesis and in the replication or remodeling of certain heterochromatic region. Participates in MYC-induced transcriptional activation.</p>	