

**bs-20483R****[ Primary Antibody ]****BioSS**  
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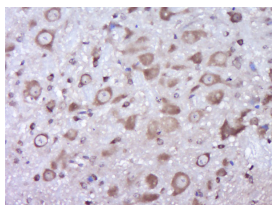
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**PLA2G2A Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> IHC-P (1:100-500)
<b>Clonality:</b> Polyclonal		<b>IHC-F</b> (1:100-500)
<b>GeneID:</b> 18780	<b>SWISS:</b> P31482	<b>IF</b> (1:100-500)
<b>Target:</b> PLA2G2A		<b>Reactivity:</b> Mouse (predicted: Rat)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from mouse PLA2G2A: 23-100/146.		
<b>Purification:</b> affinity purified by Protein A		<b>Predicted MW.:</b> 14 kDa
<b>Concentration:</b> 1mg/ml		<b>Subcellular Location:</b> Secreted
<b>Storage:</b> Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> The protein encoded by this gene is a member of the phospholipase A2 family (PLA2). PLA2s constitute a diverse family of enzymes with respect to sequence, function, localization, and divalent cation requirements. This gene product belongs to group II, which contains secreted form of PLA2, an extracellular enzyme that has a low molecular mass and requires calcium ions for catalysis. It catalyzes the hydrolysis of the sn-2 fatty acid acyl ester bond of phosphoglycerides, releasing free fatty acids and lysophospholipids, and thought to participate in the regulation of the phospholipid metabolism in biomembranes. Several alternatively spliced transcript variants with different 5' UTRs have been found for this gene.[provided by RefSeq, Sep 2009]		

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Secretory phospholipase A2) Polyclonal Antibody, Unconjugated (bs-20483R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=6.8]** Zhang Hongrong. et al. Multi-omics analysis deciphers intercellular communication regulating oxidative stress to promote oral squamous cell carcinoma progression. NPJ PRECIS ONCOL. 2024 Nov;8(1):1-18 IF ;Human. 39572698
- **[IF=2.2]** Weili Liang. et al. Localization and expression of phospholipase A2 and polyunsaturated fatty acid profile in the testis tissues of Hu Sheep. ANIM REPROD SCI. 2023 Nov;;107381 WB,IHC ;Sheep. 38056177

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.