



# Marker for High Blood Pressure

## Angiotensinogen Assay Kits (96Well)

### (Total/Intact)

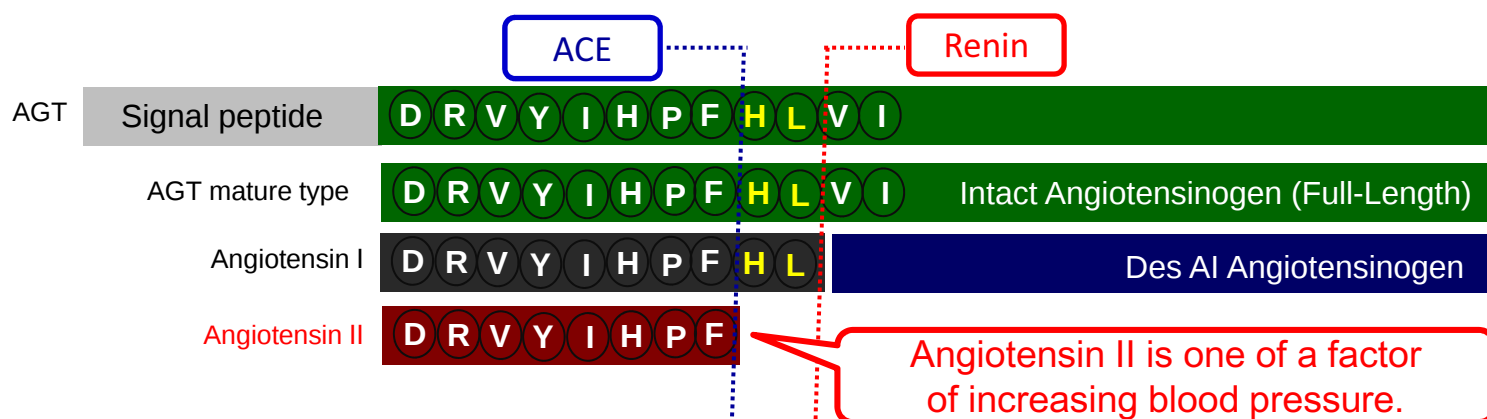
- Research Use Only -

【Host】H: Human M: Mouse R: Rat

| Product No. | Host | Product name                                        | Measurement range (ng/mL) | Measuring samples                                      |
|-------------|------|-----------------------------------------------------|---------------------------|--------------------------------------------------------|
| 27412       | H    | Human <b>Total</b> Angiotensinogen Assay Kit - IBL  | 0.31 - 20                 | Serum, EDTA- plasma, Urine or Cell culture supernatant |
| 27413       | M    | Mouse <b>Total</b> Angiotensinogen Assay Kit - IBL  | 0.16 - 10                 |                                                        |
| 27414       | R    | Rat <b>Total</b> Angiotensinogen Assay Kit - IBL    | 0.08 - 5                  |                                                        |
| 27743       | M    | Mouse <b>Intact</b> Angiotensinogen Assay Kit - IBL | 0.16 - 10                 | Serum, EDTA-plasma or Cell culture supernatant         |
| 27744       | R    | Rat <b>Intact</b> Angiotensinogen Assay Kit - IBL   | 0.08 - 5                  | Serum, EDTA- plasma, Urine or Cell culture supernatant |

What is main different between Total and Intact Angiotensinogen Assay Kits?

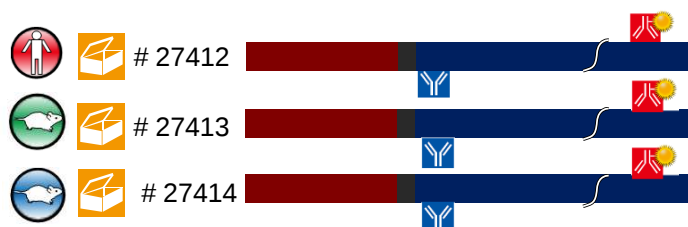
| Assay Kits                        | Intact (Full-Length) Angiotensinogen | Des AI Angiotensinogen |
|-----------------------------------|--------------------------------------|------------------------|
| Total Angiotensinogen Assay Kits  | Detect                               | Detect                 |
| Intact Angiotensinogen Assay Kits | Detect                               | Not Detect             |



【Assay kit design】

Total Angiotensinogen Assay kits

Intact Angiotensinogen Assay kits



Polyclonal Antibody Monoclonal Antibody Assay kit

Distributed by



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## Who may need the assays?

Researchers who study in high blood pressure.

- ✓ Pharmaceutical firms who develop new drugs.
- ✓ Academic sectors who further research RA.\*<sup>1</sup>

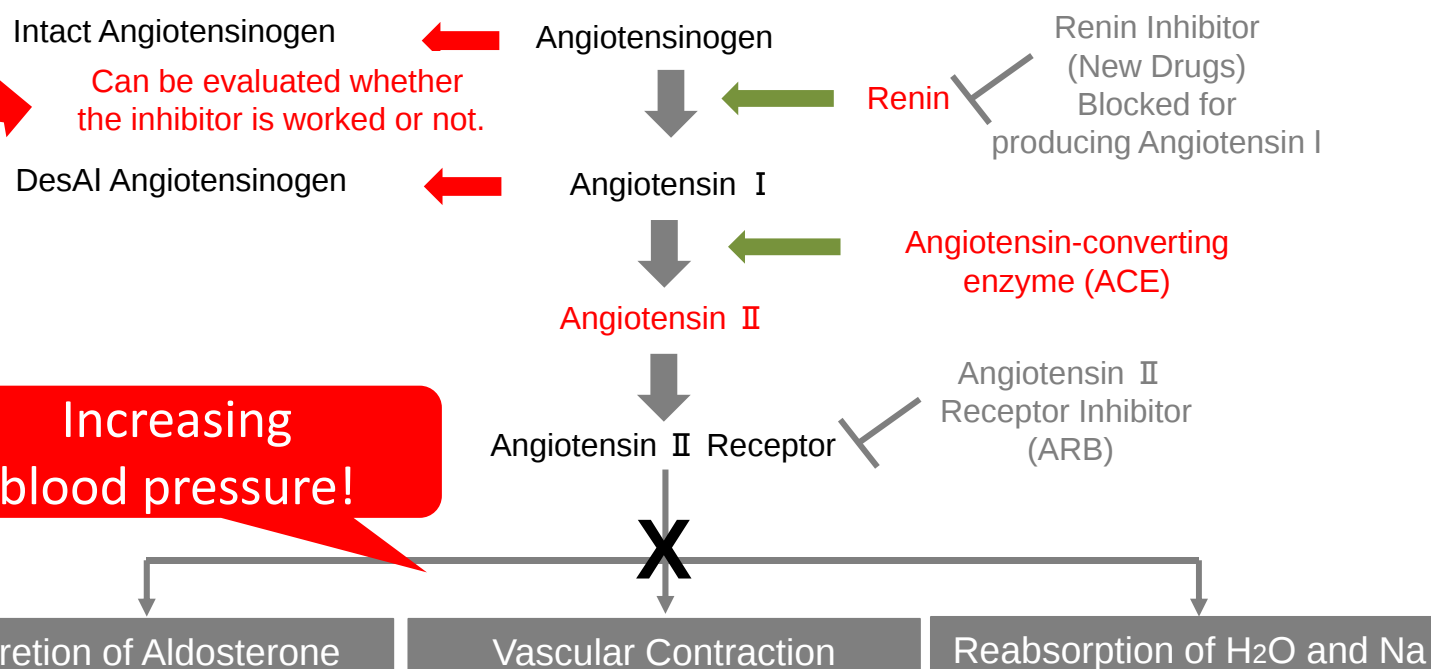
\*1 RA = Renin-Angiotensin system

## What the assays can be used for?

The assays would be useful tools for;

- ✓ Evaluating new drugs
- ✓ Comparing between full-length (Intact) angiotensinogen and total angiotensinogen (Intact and DesAI).

## Producing process of Angiotensin II



## References

1. Kobori H, Harrison-Bernard LM, Navar LG. Expression of angiotensinogen mRNA and protein in angiotensin II-dependent hypertension. J Am Soc Nephrol. 2001 Mar;12(3):431-9.
2. Kobori H, Harrison-Bernard LM, Navar LG. Enhancement of angiotensinogen expression in angiotensin II-dependent hypertension. Hypertension. 2001 May;37(5):1329-35.
3. Kobori H, Harrison-Bernard LM, Navar LG. Urinary excretion of angiotensinogen reflects intrarenal angiotensinogen production. Kidney Int. 2002 Feb;61(2):579-85.
4. Kobori H, Nishiyama A, Harrison-Bernard LM, Navar LG. Urinary angiotensinogen as an indicator of intrarenal Angiotensin status in hypertension. Hypertension. 2003 Jan;41(1):42-9.
5. Kobori H, Prieto-Carrasquero MC, Ozawa Y, Navar LG. AT1 receptor mediated augmentation of intrarenal angiotensinogen in angiotensin II-dependent hypertension. Hypertension. 2004 May;43(5):1126-32.
6. Kobori H, Nangaku M, Navar LG, Nishiyama A. The intrarenal renin-angiotensin system: from physiology to the pathobiology of hypertension and kidney disease. Pharmacol Rev. 2007 Sep;59(3):251-87.
7. Kobori H, Katsurada A, Miyata K, Ohashi N, Satou R, Saito T, Hagiwara Y, Miyashita K, Navar LG. Determination of plasma and urinary angiotensinogen levels in rodents by newly developed ELISA. Am J Physiol Renal Physiol. 2008 May;294(5):F1257-63.